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LEXIS-NEXIS
Library: PATENT
File: CASES

Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 08560015 **Filing Dt:** 11/17/1995 **Patent #:** 5761301 **Issue Dt:** 06/02/1998
PCT #: NONE **Publication #:** NONE **Pub Dt:**

Inventors: MITSUAKI OSHIMA, YOSHIHO GOTOH

Title: MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

Assignment: 1

Reel/Frame: 007884/0122 **Received:** 04/16/1996 **Recorded:** 04/10/1996 **Mailed:** 06/29/1996 **Pages:** 3

Conveyance: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: OSHIMA, MITSUAKI **Exec Dt:** 02/20/1996
GOTOH, YOSHIHO **Exec Dt:** 02/20/1996

Assignee: MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.
1006, OAZA KADOMA, KADOMA-SHI
OSAKA JAPAN 571

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Search Results as of: 4/18/2005 1:09:39 P.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723
Web interface last modified: Oct. 5, 2002

No Documents Found

No documents were found for your search (**5761301 or 5,761,301**).
Please edit your search and try again. You may want to try one or
more of the following:

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- Remove some search terms.
- Use more common search terms.
- If applicable, look for all dates.

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LEXIS-NEXIS
Library: PATENT
File: JNLS

?us5761301/pn

** SS 1: Results 1
Search statement 2
?prt full nonstop legalall

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5761301 A 19980602 [US5761301]
TI - (A) Mark forming apparatus, method of forming laser mark on optical disk, reproducing apparatus, optical disk and method of producing optical disk
PA - (A) MATSUSHITA ELECTRIC IND CO LTD (JP)
IN - (A) GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP)
AP - US56001595 19951117 [1995US-0560015]
PR - JP28341594 19941117 [1994JP-0283415]
- JP1615395 19950202 [1995JP-0016153]
- JP26124795 19951009 [1995JP-0261247]
IC - (A) H04K-001/00
EC - G11B-007/007
- G11B-007/26
- G11B-011/105P
- G11B-013/04C
- G11B-020/00P
ICO - S06F-001/00N1D2D
- S11B-007/00E
- S11B-007/00M3
- S11B-013/04C
PCL - ORIGINAL (O) : 705057000; CROSS-REFERENCE (X) : 235494000 369272000
380201000
DT - Corresponding document
CT - US5065429; US5191611; US5392351; US5400403; US5457668; US5457746;
US5513169; EP0545472; EP553545; DE4308680; JP61-190734; JP63-46541;
JP63-164043; JP2-44448; JP5-325193; JP5-266576; JP7-325712; NL9101358
- European Search Report dated May 15, 1997.

International Search Report dated Jan. 30, 1996.
STG - (A) United States patent
AB - An object of the present invention is to provide a marking forming apparatus, a method of forming a laser marking on an optical disk, a reproduction apparatus, an optical disk, and a method of manufacturing an optical disk, capable of providing a greatly improved copy prevention capability as compared to prior known construction. To achieve this object, in the optical disk of the invention, for example, a marking is formed by a laser on a reflective film of a disk holding data written thereon and at least position information of the marking or information concerning the position information is written on the disk in an encrypted form or with a digital signature appended thereto.

1/1 LGST - (C) LEGSTAT
PN - US 5761301 [US5761301]
AP - US 560015/95 19951117 [1995US-0560015]
DT - US-P
ACT - 19951117 US/AE-A
APPLICATION DATA (PATENT)
{US 560015/95 19951117 [1995US-0560015]}

- 19960410 US/AS02
ASSIGNMENT OF ASSIGNEE'S INTEREST
MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006, OAZA KADOMA, KADOMA-SHI
OSAKA, JAP * OSHIMA, MITSUAKI : 19960220; GOTOH, YOSHIHO : 19960220
- 19980602 US/A
PATENT
- 20000801 US/RF
REISSUE APPLICATION FILED
20000602
UP - 2000-31

1/1 CRXX - (C) CLAIMS/RRX
PN - 5,761,301 A 19980602 [US5761301]
PA - Matsushita Electric Industrial Co Ltd JP
ACT - 20000602 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20000801
REISSUE REQUEST NUMBER: 09/588364
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3642

Reissue Patent Number:

- 20011207 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020402
REISSUE REQUEST NUMBER: 10/017965
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3642

Reissue Patent Number:

- 20011207 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020409
REISSUE REQUEST NUMBER: 10/017973
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3642

Reissue Patent Number:

- 20011207 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020409
REISSUE REQUEST NUMBER: 10/020425
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3642

Reissue Patent Number:

- 20011207 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020409
REISSUE REQUEST NUMBER: 10/020427
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3642

Reissue Patent Number:

1/3 PAST - (C) PAST
AN - 200215-001677
PN - 5761301 A [US5761301]
OG - 2002-04-09
ACT - REISSUE APPLICATION FILED

2/3 PAST - (C) PAST
AN - 200214-001609
PN - 5761301 A [US5761301]
OG - 2002-04-02
ACT - REISSUE APPLICATION FILED

3/3 PAST - (C) PAST
AN - 200031-001336
PN - 5761301 A [US5761301]
OG - 2000-08-01
ACT - REISSUE APPLICATION FILED

14464905

Basic Patent (No,Kind,Date): EP 506400 A2 19920930 <No. of Patents: 375>

PATENT FAMILY:

AUSTRIA (AT)

Patent (No,Kind,Date): AT 205032 E 20010915
MEHRFACHAUFLOESUNGSSYSTEM (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 93307575 A 19930924
Addnl Info: 589709 20010829
IPC: * H04L-001/00; H04L-027/18
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: German
Patent (No,Kind,Date): AT 214214 E 20020315
UEBERTRAGUNG MIT MEHREREN AUFLÖSEUNGEN BEI VERWENDUNG VON MEHRTRAEGERSIGNALEN (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114692 A 19930326
Addnl Info: 1039675 20020306
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566
JAPIO Reference No: * 180486E000144
Language of Document: German
Patent (No,Kind,Date): AT 214215 E 20020315
UEBERTRAGUNG MIT MEHREREN AUFLÖSEUNGEN SOWIE FEHLERKORRIGIERENDE KODIERUNG BEI MEHRTRAEGERMODULATION (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114699 A 19930326
Addnl Info: 1039680 20020306
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566
JAPIO Reference No: * 180486E000144
Language of Document: German
Patent (No,Kind,Date): AT 214216 E 20020315
UEBERTRAGUNG MIT MEHREREN AUFLÖSEUNGEN, INSBESONDERE MIT MEHRTRAEGERSIGNALEN (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114702 A 19930326

Addnl Info: 1039682 20020306
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
 G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
 Patent (No,Kind,Date): AT 214217 E 20020315
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN UND FEHLERKORRIGIERENDE
 KODIERUNG MIT MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
 19920925
 Aplic (No,Kind,Date): EP 2000114700 A 19930326
 Addnl Info: 1045541 20020306
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
 G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German
 Patent (No,Kind,Date): AT 214218 E 20020315
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN BEI MEHRTRAEGERSIGNALEN (German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
 19920925
 Aplic (No,Kind,Date): EP 2000114695 A 19930326
 Addnl Info: 1049284 20020306
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
 G 01-063441; G 02-050566
 JAPIO Reference No: * 180486E000144
 Language of Document: German

AUSTRIA (AT)

Legal Status (No,Type,Date,Code,Text):
 AT 205032 R 20010915 AT REF CORRESPONDS TO EP-PATENT
 (ENTSPRICHT EP-PATENT)
 EP 589709 P 20010829
 AT 205032 R 20020215 AT RER CEASED AS TO PARAGRAPH 5
 LIT. 3 LAW INTRODUCING PATENT TREATIES
 (ERLOSCHEN GEM. PAR. 5 ABS. 3 PATVEG.)
 AT 214214 R 20020315 AT REF CORRESPONDS TO EP-PATENT
 (ENTSPRICHT EP-PATENT)
 EP 1039675 P 20020306
 AT 214215 R 20020315 AT REF CORRESPONDS TO EP-PATENT
 (ENTSPRICHT EP-PATENT)
 EP 1039680 P 20020306
 AT 214216 R 20020315 AT REF CORRESPONDS TO EP-PATENT
 (ENTSPRICHT EP-PATENT)
 EP 1039682 P 20020306
 AT 214217 R 20020315 AT REF CORRESPONDS TO EP-PATENT
 (ENTSPRICHT EP-PATENT)
 EP 1045541 P 20020306
 AT 214218 R 20020315 AT REF CORRESPONDS TO EP-PATENT
 (ENTSPRICHT EP-PATENT)

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9335520 A1 19930930
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
 Aplic (No,Kind,Date): AU 9335520 A 19930326
 IPC: * H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;
 H04N-005/455; H04L-027/34; G11B-020/12
 Language of Document: English
 Patent (No,Kind,Date): AU 9459052 A1 19941020
 COMPATIBLE HDTV SATELLITE BROADCASTING SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
 Aplic (No,Kind,Date): AU 9459052 A 19940325
 IPC: * H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;
 H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00
 Derwent WPI Acc No: ; G 94-342258
 Language of Document: English
 Patent (No,Kind,Date): AU 655539 B2 19941222
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
 Aplic (No,Kind,Date): AU 9335520 A 19930326
 IPC: * H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;
 H04N-005/455; H04L-027/34; G11B-020/12
 Derwent WPI Acc No: * G 93-305235; G 94-103292
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): AU 660123 B2 19950608
 COMMUNICATION SYSTEM (English)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
 Author (Inventor): OSHIMA MITSUAKI
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
 Aplic (No,Kind,Date): AU 9459052 A 19940325
 IPC: * H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;
 H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
 Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2092495 AA 19930927
 COMMUNICATION SYSTEM (English; French)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
 Aplic (No,Kind,Date): CA 2092495 A 19930325
 IPC: * H04B-007/24; H04N-005/76; H04N-009/80
 Language of Document: English
 Patent (No,Kind,Date): CA 2106919 AA 19940326
 COMMUNICATION SYSTEM (English; French)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
 Aplic (No,Kind,Date): CA 2106919 A 19930924
 IPC: * H04J-004/00
 Derwent WPI Acc No: * G 93-305235
 Language of Document: English

Patent (No,Kind,Date): CA 2113842 AA 19940722
RECORDING AND REPRODUCING APPARATUS (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applie (No,Kind,Date): CA 2113842 A 19940119
IPC: * G11B-007/24; G11B-007/125; G11B-005/10
Derwent WPI Acc No: * G 93-313529
Language of Document: English
Patent (No,Kind,Date): CA 2113877 AA 19940722
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applie (No,Kind,Date): CA 2113877 A 19940120
IPC: * G11B-007/24; G11B-007/26
Derwent WPI Acc No: * G 93-313529
Language of Document: English
Patent (No,Kind,Date): CA 2119983 AA 19940926
COMMUNICATION SYSTEM (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
Applie (No,Kind,Date): CA 2119983 A 19940325
IPC: * H04N-007/12
Derwent WPI Acc No: * G 94-103292
Language of Document: English
Patent (No,Kind,Date): CA 2226398 AA 19940722
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME (English; French)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): USHIGOME HISASHI (JP); KOMODA HIDEAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): CA 2113877 A3 19940120; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applie (No,Kind,Date): CA 2226398 A 19940120
IPC: * G11B-007/00; G11B-007/28
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: English

CHINA (CN)

Patent (No,Kind,Date): CN 1066946 A 19921209
DIGITAL COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A 19910723
Applie (No,Kind,Date): CN 92102955 A 19920327
IPC: * H04B-001/00; H04N-007/13
Derwent WPI Acc No: * G 92-325674
Language of Document: Chinese
Patent (No,Kind,Date): CN 1075024 A 19930804
RECORDING/REPRODUCING EQUIPMENT (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 92280874 A

19920925
Applie (No,Kind,Date): CN 93100918 A 19930128
IPC: * G11B-011/00
Derwent WPI Acc No: * G 93-251292; G 93-313529
Language of Document: Chinese
Patent (No,Kind,Date): CN 1076816 A 19930929
SYSTEM OF COMMUNICATION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): TAISHIMA MITSUTERU (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92246070 A 19920925
Applie (No,Kind,Date): CN 93102721 A 19930325
IPC: * H04B-007/00; H04N-007/12; H04N-011/00
Derwent WPI Acc No: * G 93-305235
Language of Document: Chinese
Patent (No,Kind,Date): CN 1085680 A 19940420
RECORD REPLAYING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP); SHIMIZU RYOSUKE (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211
Applie (No,Kind,Date): CN 93105219 A 19930326
IPC: * G11B-013/04
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-341616; G 96-062972; G 98-181451
JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136; 180618P000070
Language of Document: Chinese
Patent (No,Kind,Date): CN 1096389 A 19941214
RECORDING AND REPRODUCING APPSTS. (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119
Applie (No,Kind,Date): CN 94101055 A 19940121
IPC: * G11B-011/12
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560
Language of Document: Chinese
Patent (No,Kind,Date): CN 1098810 A 19950215
APPARATUS FOR REGENERATION OF RECORDING AND RECORDING MEDIUM AND MANUFACTURE OF SAME (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A 19931119
Applie (No,Kind,Date): CN 94101336 A 19940121
IPC: * G11B-007/24; G11B-011/12
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722
Language of Document: Chinese
Patent (No,Kind,Date): CN 1099544 A 19950301
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93261612 A 19930924
Applie (No,Kind,Date): CN 94103352 A 19940325
IPC: * H04N-007/08; H04L-027/32
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
Language of Document: Chinese
Patent (No,Kind,Date): CN 1119895 A 19960403
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,

REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93335165 A 19931228; JP 94299508 A 19941202

Applic (No,Kind,Date): CN 94191566 A 19941228

Derwent WPI Acc No: * G 95-246541

Language of Document: Chinese

Patent (No,Kind,Date): CN 1127049 A 19960717

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A 19941117

Applic (No,Kind,Date): CN 95190313 A 19950418

IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
; G11B-007/09

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785

Language of Document: Chinese

Patent (No,Kind,Date): CN 1138915 A 19961225

MARKING GENERATING APPTS., METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPTS., OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC INDUTRIAL (JP)

Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP)

Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A 19950202

Applic (No,Kind,Date): CN 95191218 A 19951116

IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12

Derwent WPI Acc No: * G 95-373939; G 96-268785

Language of Document: Chinese

Patent (No,Kind,Date): CN 1166223 A 19971126

OPTICAL DISK, OPTICAL RECORDER, OPTICAL PRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP); SHINICHI TANAKA (JP)

Priority (No,Kind,Date): JP 96211304 A 19960809; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): CN 96191182 A 19961008

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: Chinese

Patent (No,Kind,Date): CN 1173942 A 19980218

OPTICAL DISK, OPTICAL RECODER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP); SHINICHI TANAKA (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): CN 96191826 A 19960515

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: Chinese

Patent (No,Kind,Date): CN 1250278 A 20000412

TELECOMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUTERU DAIJIMA (JP)

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924

Applic (No,Kind,Date): CN 99108470 A 19990616

IPC: * H04J-001/00; H04L-027/00; H04N-011/24
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
Language of Document: Chinese
Patent (No,Kind,Date): CN 1305310 A 20010725
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OTORI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applic (No,Kind,Date): CN 2000133827 A 20001030
IPC: * H04N-007/08; H04L-027/32
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
Language of Document: Chinese
Patent (No,Kind,Date): CN 1305311 A 20010725
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OTORI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applic (No,Kind,Date): CN 2000133828 A 20001030
IPC: * H04N-007/08; H04L-027/32
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
Language of Document: Chinese
Patent (No,Kind,Date): CN 1305312 A 20010725
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITUAKI OTORI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applic (No,Kind,Date): CN 2000133829 A 20001030
IPC: * H04N-007/08; H04L-027/32
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
Language of Document: Chinese
Patent (No,Kind,Date): CN 1305313 A 20010725
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITUAKI OTORI (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
Applic (No,Kind,Date): CN 2000133830 A 20001030
IPC: * H04N-007/08; H04L-027/32
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
Language of Document: Chinese
Patent (No,Kind,Date): CN 1032099 B 19960619
SYSTEM OF COMMUNICATION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): TAISHIMA MITSUTERU (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): CN 93102721 A 19930325
IPC: * H04B-007/00; H04N-007/12; H04N-011/00
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: Chinese
Patent (No,Kind,Date): CN 1036952 B 19980107
RECORD REPLAYING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP); MICHIRO TANAKA (JP); RYOSUKE SHIMIZU (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A

19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP
92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A
19921211
Applic (No,Kind,Date): CN 93105219 A 19930326
IPC: * G11B-013/04
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-341616; G 96-062972; G 98-181451
JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136;
180618P000070
Language of Document: Chinese
Patent (No,Kind,Date): CN 1045036 B 19990908
TRANSMISSION APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A
19910723; JP 91155650 A 19910529; JP 9195813 A 19910425
Applic (No,Kind,Date): CN 92102955 A 19920327
IPC: * H04B-001/00; H04N-007/13
Derwent WPI Acc No: * G 92-325674; G 97-195354
JAPIO Reference No: * 180152E000002
Language of Document: Chinese

GERMANY (DE)

Patent (No,Kind,Date): DE 69223541 CO 19980129
SIGNAUEBERTRAGUNGSSYSTEM (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
9260739 A 19920317
Applic (No,Kind,Date): DE 69223541 A 19920326
IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354
JAPIO Reference No: * 180152E000002
Language of Document: German
Patent (No,Kind,Date): DE 69330665 CO 20011004
MEHRFACHAUFLOESUNGSUEBERTRAGUNGSSYSTEM (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A
19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): DE 69330665 A 19930924
IPC: * H04L-001/00; H04L-027/18
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G
00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: German
Patent (No,Kind,Date): DE 69426795 CO 20010412
AUFZEICHNUNGS- UND WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A
19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP
93314114 A 19931119
Applic (No,Kind,Date): DE 69426795 A 19940727
IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
; G11B-023/28
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
01-018026
Language of Document: German
Patent (No,Kind,Date): DE 69523139 CO 20011115
GERAET ZUR ERZEUGUNG EINER MARKIERUNG, VERFAHREN ZUR ERZEUGUNG EINER
LASERMARKIERUNG AUF EINER OPTISCHEN PLATTE, OPTISCHE PLATTE UND
VERFAHREN ZU DEREN HERSTELLUNG (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A
19950202; JP 95261247 A 19951009; WO 95JP2339 W 19951116
Appliec (No,Kind,Date): DE 69523139 A 19951116
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
; G11B-007/09; G11B-020/00; G06F-001/00
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119
Language of Document: German
Patent (No,Kind,Date): DE 69610859 CO 20001207
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Appliec (No,Kind,Date): DE 69610859 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German
Patent (No,Kind,Date): DE 69610860 CO 20001207
OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICKKODES TRAEGT
(German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Appliec (No,Kind,Date): DE 69610860 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German
Patent (No,Kind,Date): DE 69610861 CO 20001207
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Appliec (No,Kind,Date): DE 69610861 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German
Patent (No,Kind,Date): DE 69611906 CO 20010405
OPTISCHE PLATTE MIT STRICKKODE (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; WO 96JP1303 W 19960515
Appliec (No,Kind,Date): DE 69611906 A 19960515
IPC: * G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10;
G11B-020/00; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German
Patent (No,Kind,Date): DE 69613010 CO 20010628
OPTISCHE AUFZEICHNUNGSGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Appliec (No,Kind,Date): DE 69613010 A 19961008

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69613011 CO 20010628
OPTISCHES AUFZEICHNUNGSGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): DE 69613011 A 19961008
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69613156 CO 20010705
OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELT
INFORMATIONEN (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): DE 69613156 A 19961008
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69614580 CO 20010920
WIEDERGABEGERAET FUER OPTISCHE PLATTEN (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): DE 69614580 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69614823 CO 20011004
AUFZEICHNUNGSGERAET FUER OPTISCHE PLATTEN (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008
Applie (No,Kind,Date): DE 69614823 A 19961008
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69615418 CO 20011025
OPTISCHE PLATTE UND OPTISCHES WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): DE 69615418 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69617478 CO 20020110
OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): DE 69617478 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69618633 CO 20020221
OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): DE 69618633 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69618672 CO 20020228
OPTISCHE PLATTE ZUR ANWENDUNG IN EINEM VERSCHLUESSEL- ODER PROGRAMMLIZENZSYSTEM (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): DE 69618672 A 19961008
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69223541 T2 19980409
SIGNAUEBERTRAGUNGSSYSTEM (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applie (No,Kind,Date): DE 69223541 A 19920326
IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354
JAPIO Reference No: * 180152E000002
Language of Document: German

Patent (No,Kind,Date): DE 69426795 T2 20011108
AUFZEICHNUNGS- UND WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119
Applie (No,Kind,Date): DE 69426795 A 19940727
IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00 ; G11B-023/28
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026
Language of Document: German

Patent (No,Kind,Date): DE 69523139 T2 20020131
GERAET ZUR ERZEUGUNG EINER MARKIERUNG, VERFAHREN ZUR ERZEUGUNG EINER LASERMARKIERUNG AUF EINER OPTISCHEN PLATTE, OPTISCHE PLATTE UND VERFAHREN ZU DEREN HERSTELLUNG (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A
19950202; JP 95261247 A 19951009; WO 95JP2339 W 19951116
Applie (No,Kind,Date): DE 69523139 A 19951116
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
; G11B-007/09; G11B-020/00; G06F-001/00
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69610859 T2 20010315
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applie (No,Kind,Date): DE 69610859 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69610860 T2 20010315
OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICKKODES TRAEGT
(German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applie (No,Kind,Date): DE 69610860 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69610861 T2 20010315
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applie (No,Kind,Date): DE 69610861 A 19960515
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69611906 T2 20010621
OPTISCHE PLATTE MIT STRICKKODE (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; WO 96JP1303 W 19960515
Applie (No,Kind,Date): DE 69611906 A 19960515
IPC: * G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10;
G11B-020/00; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: German

Patent (No,Kind,Date): DE 69613010 T2 20011115
OPTISCHES AUFZEICHNUNGSGERAET (German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): DE 69613010 A 19961008

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69613011 T2 20011115

OPTISCHES AUFZEICHNUNGSGERAET (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applc (No,Kind,Date): DE 69613011 A 19961008

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69613156 T2 20011025

OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELT
INFORMATIONEN (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applc (No,Kind,Date): DE 69613156 A 19961008

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00
; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 69223541 P 19980129 DE REF CORRESPONDS TO (ENTSPRICHT)

DE 69223541 P 19980409 DE 8373 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69223541 P 19990121 DE 8364 NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)

DE 69330665 P 20011004 DE REF CORRESPONDS TO (ENTSPRICHT)

DE 69330665 P 20020328 DE 8332 NO LEGAL EFFECT FOR DE (WIRKUNG FUER DE NICHT EINGETRETEN)

DE 69426795 P 20010412 DE REF CORRESPONDS TO (ENTSPRICHT)

DE 69426795 P 20011108 DE 8373 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69426795 P 20020404 DE 8364 NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)

DE 69523139 P 20011115 DE REF CORRESPONDS TO (ENTSPRICHT)

DE 69523139 P 20020131 DE 8373 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST

EINGEGANGEN UND VEROEFFENTLICHT WORDEN)
 DE 69610859 P 20001207 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1003162 P 20001207
 DE 69610859 P 20010315 DE 8373 TRANSLATION OF PATENT
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
 HAS BEEN PUBLISHED (UEBERSETZUNG DER
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69610860 P 20001207 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1005034 P 20001207
 DE 69610860 P 20010315 DE 8373 TRANSLATION OF PATENT
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
 HAS BEEN PUBLISHED (UEBERSETZUNG DER
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69610861 P 20001207 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1005035 P 20001207
 DE 69610861 P 20010315 DE 8373 TRANSLATION OF PATENT
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
 HAS BEEN PUBLISHED (UEBERSETZUNG DER
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69611906 P 20010405 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 807929 P 20010405
 DE 69611906 P 20010621 DE 8373 TRANSLATION OF PATENT
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
 HAS BEEN PUBLISHED (UEBERSETZUNG DER
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69611906 P 20020328 DE 8364 NO OPPOSITION DURING TERM OF
 OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE
 DASS EINSPRUCH ERHOBEN WURDE)

DE 69613010 P 20010628 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1005026 P 20010628
 DE 69613010 P 20011115 DE 8373 TRANSLATION OF PATENT
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
 HAS BEEN PUBLISHED (UEBERSETZUNG DER
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69613011 P 20010628 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1005027 P 20010628
 DE 69613011 P 20011115 DE 8373 TRANSLATION OF PATENT
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
 HAS BEEN PUBLISHED (UEBERSETZUNG DER
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69613156 P 20010705 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1005024 P 20010705
 DE 69613156 P 20011025 DE 8373 TRANSLATION OF PATENT
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND
 HAS BEEN PUBLISHED (UEBERSETZUNG DER
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

DE 69614580 P 20010920 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1031974 P 20010920
 DE 69614823 P 20011004 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 802527 P 20011004
 DE 69615418 P 20011025 DE REF CORRESPONDS TO (ENTSPRICHT)

DE 69617478	P	EP 1005033	P	20011025	
		20020110	DE REF	CORRESPONDS TO	(ENTSPRICH)
DE 69618633	P	EP 1006517	P	20020110	
		20020221	DE REF	CORRESPONDS TO	(ENTSPRICH)
DE 69618672	P	EP 1006516	P	20020221	
		20020228	DE REF	CORRESPONDS TO	(ENTSPRICH)
		EP 1005025	P	20020228	

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 562875 A1 19930929
 MULTIRESOLUTION QAM SYSTEM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925
 Aplic (No,Kind,Date): EP 93302369 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/34; H04N-007/13
 Derwent WPI Acc No: ; G 93-305235
 Language of Document: English
 Patent (No,Kind,Date): EP 617531 A1 19940928
 MULTIRESOLUTION TRANSMISSION SYSTEM. (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924
 Aplic (No,Kind,Date): EP 94302149 A 19940324
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-027/02; H04L-027/34; H04L-005/06; H04L-027/18; H04N-007/13
 Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 94-311606
 Language of Document: English
 Patent (No,Kind,Date): EP 689200 A1 19951227
 OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202
 Aplic (No,Kind,Date): EP 95904033 A 19941228
 Designated States: (National) DE; FR; GB; IT
 IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10
 Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 01-018026
 Language of Document: English
 Patent (No,Kind,Date): EP 706174 A1 19960410
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
 Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203
 Aplic (No,Kind,Date): EP 95915345 A 19950418
 Designated States: (National) DE; FR; GB; NL
 IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06 ; G11B-007/09

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 01-018026

Language of Document: English

Patent (No,Kind,Date): EP 741382 A1 19961106

MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): EP 95938017 A 19951116

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12

Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 802527 A1 19971022

OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 96932845 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 807929 A1 19971119

OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 96915172 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 971345 A1 20000112

OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA M (JP); KONISHI SHINICHI (JP); TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Priority (No,Kind,Date): WO 97JP4664 W 19971217; JP 96339304 A 19961219; JP 979318 A 19970122; JP 97259110 A 19970924

Applic (No,Kind,Date): EP 97949124 A 19971217

Designated States: (National) DE; FR; GB; IT; NL

IPC: * G11B-011/10; G11B-007/00; G06F-012/14

Derwent WPI Acc No: * G 98-363034

Language of Document: English

Patent (No,Kind,Date): EP 973335 A1 20000119

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317

Applic (No,Kind,Date): EP 99119278 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-108239

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975168 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317

Applic (No,Kind,Date): EP 99119266 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-184726

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975169 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317

Applic (No,Kind,Date): EP 99121006 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-184727

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975170 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317

Applic (No,Kind,Date): EP 99121007 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-184728

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975171 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A

19920317
Applic (No,Kind,Date): EP 99121008 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-118426
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975172 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applic (No,Kind,Date): EP 99121024 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-184729
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975173 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applic (No,Kind,Date): EP 99121025 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-184730
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 975174 A1 20000126
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3
19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP
91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A
19920317
Applic (No,Kind,Date): EP 99121026 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 1003162 A1 20000524
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000103257 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005023 A1 20000531
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2000102965 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005024 A1 20000531
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2000102966 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005025 A1 20000531
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2000102967 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005026 A1 20000531
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2000102968 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005027 A1 20000531
OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA

SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102969 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005028 A1 20000531

OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102971 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005033 A1 20000531

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000101774 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005034 A1 20000531

AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000101775 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005035 A1 20000531

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000104818 A 19960515

Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1006516 A1 20000607

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000105014 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1006517 A1 20000607

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000106447 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1024478 A1 20000802

OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102970 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1028422 A1 20000816

AN OPTICAL DISK, AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000109898 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1028423 A1 20000816

AN OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000109899 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1030297 A1 20000823
AN OPTICAL DISK AND AN OPTICAL DISK RECORDING METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000110461 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1031974 A1 20000830
AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): EP 2000112310 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1049334 A1 20001102
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): EP 2000114691 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04L-027/34; H04N-007/04
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 1168328 A1 20020102
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): EP 2000102970 A3 19961008; EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): EP 2001120681 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-020/00; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 506400 A2 19920930
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP

9260739 A 19920317
Applic (No,Kind,Date): EP 92302627 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/13; H04N-007/04
Derwent WPI Acc No: ; G 92-325674
Language of Document: English
Patent (No,Kind,Date): EP 555031 A2 19930811
RECORDING AND REPRODUCING APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A
19920925
Applic (No,Kind,Date): EP 93300695 A 19930129
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/00; G11B-011/10; G11B-013/04
Derwent WPI Acc No: ; G 93-251292
Language of Document: English
Patent (No,Kind,Date): EP 564187 A2 19931006
RECORDING AND REPRODUCING APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP);
SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)
Priority (No,Kind,Date): JP 9268031 A 19920326; JP 92111176 A
19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP
92282666 A 19921021; JP 92331300 A 19921211; JP 938596 A
19930121
Applic (No,Kind,Date): EP 93302365 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04
Derwent WPI Acc No: ; G 93-313529
Language of Document: English
Patent (No,Kind,Date): EP 589709 A2 19940330
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A
19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): EP 93307575 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18
Derwent WPI Acc No: * G 93-305235
Language of Document: English
Patent (No,Kind,Date): EP 608126 A2 19940727
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);
USHIGOME HISASHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): EP 94300403 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04; G11B-023/44
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; C
94-236841
Language of Document: English
Patent (No,Kind,Date): EP 609013 A2 19940803
RECORDING AND REPRODUCING APPARATUS. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO

TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);
TANAKA MITIRO (JP); TAN SATOSHI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): EP 94300402 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
; G11B-023/00; G11B-023/36

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G
94-242360

Language of Document: English

Patent (No,Kind,Date): EP 609617 A2 19940810

RECORDING AND REPRODUCING APPARATUS. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO
MAKOTO (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A
19930727; JP 92321063 A 19921201

Applic (No,Kind,Date): EP 93309619 A 19931201

Designated States: (National) BE; DE; FR; GB; NL

IPC: * G06F-001/18

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026

Language of Document: English

Patent (No,Kind,Date): EP 637016 A2 19950201

RECORDING AND REPRODUCING APPARATUS. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A
19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP
93314114 A 19931119

Applic (No,Kind,Date): EP 94305557 A 19940727

Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL

IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
; G11B-023/28

Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
01-018026; G 95-116722

Language of Document: English

Patent (No,Kind,Date): EP 766478 A2 19970402

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 96119060 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731; G 97-195354

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 833319 A2 19980401

DISC-SHAPED RECORDING MEDIUM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);
TANAKA MITIRO (JP); TAN SATOSHI (JP)

Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A
19931119

Applic (No,Kind,Date): EP 97118775 A 19940119

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G
98-181451
Language of Document: English
Patent (No,Kind,Date): EP 844611 A2 19980527
OPTICAL DISK (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);
USHIGOME HISASHI (JP)
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A
19931119
Applic (No,Kind,Date): EP 98100524 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-020/00; G11B-013/04; G11B-007/007; G11B-007/24
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
Language of Document: English
Patent (No,Kind,Date): EP 844612 A2 19980527
APPARATUS FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC (English;
French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);
USHIGOME HISASHI (JP)
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A
19931119
Applic (No,Kind,Date): EP 98100525 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-020/00; G11B-013/04; G11B-007/24; G11B-007/007
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
Language of Document: English
Patent (No,Kind,Date): EP 1035693 A2 20000913
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): EP 2000114572 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441; G 00-595507
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035694 A2 20000913
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): EP 2000114573 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-005/44
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441; G 01-063437
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035695 A2 20000913
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114575 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441; G 01-063438
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035696 A2 20000913
MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114577 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/34; H04L-027/26; H04L-027/18; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441; G 01-063439
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035697 A2 20000913
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114578 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/34; H04L-027/18; H04L-027/26; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441; G 01-063440
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035698 A2 20000913
MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114579 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/34; H04L-027/26; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039672 A2 20000927
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): EP 2000114576 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-589072
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039673 A2 20000927
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114689 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-589073
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039674 A2 20000927
MULTIRESOLITION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114690 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-589074
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039675 A2 20000927

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114692 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441; G 00-589075

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039676 A2 20000927

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114694 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441; G 00-589076

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039677 A2 20000927

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
MULTICARRIER MODULATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114696 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441; G 00-589077

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039678 A2 20000927

MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114697 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580985

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039679 A2 20000927

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French ; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114698 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580978

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039680 A2 20000927

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER MODULATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114699 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580986

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039681 A2 20000927

MUTLIRESOLUTION TRANSMITION AND ERROR CORRECTION CODING, WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114701 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/34

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 00-580987

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039682 A2 20000927

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114702 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441; G 00-580988
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1045541 A2 20001018
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114700 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049282 A2 20001102
MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;
German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): EP 2000114574 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/34; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049283 A2 20001102
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): EP 2000114693 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;

G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049284 A2 20001102
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114695 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1050879 A2 20001108
RECORDING AND REPRODUCING APPARATUS WITH MEANS FOR ENCRYPTION OF
INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 94305557 A3 19940727; JP 93205682 A
19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP
93297504 A 19931102; JP 93314114 A 19931119
Applic (No,Kind,Date): EP 2000115017 A 19940727
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
IPC: * G11B-020/00; G06F-001/00; G11B-007/00; G11B-013/04; G11B-019/02
; G11B-023/28
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
01-018026; G 01-018026
Language of Document: English
Patent (No,Kind,Date): EP 1120777 A2 20010801
OPTICAL DISK (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): EP 95938017 A3 19951116; JP 94283415 A
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
Applic (No,Kind,Date): EP 2001108949 A 19951116
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/12; G11B-027/10; G11B-020/00;
G11B-007/007; G11B-007/26; G11B-019/02; G11B-019/12; G11B-011/105;
G11B-023/28; G11B-013/04; G11B-027/30
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1154608 A2 20011114
MULTIRESOLUTION RECEIVER (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2001118510 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/26
Derwent WPI Acc No: ; G 02-050566
Language of Document: English
Patent (No,Kind,Date): EP 506400 A3 19930526
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP
9260739 A 19920317

Applic (No,Kind,Date): EP 92302627 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/13; H04N-007/04

Derwent WPI Acc No: * G 92-325674

Language of Document: English

Patent (No,Kind,Date): EP 555031 A3 19951115

RECORDING AND REPRODUCING APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A
19920925

Applic (No,Kind,Date): EP 93300695 A 19930129

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-013/00; G11B-011/10; G11B-013/04

Derwent WPI Acc No: * G 93-251292; G 93-313529

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): EP 564187 A3 19951206

RECORDING AND REPRODUCING APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIRO (JP);
SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A
19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP
92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A
19921211

Applic (No,Kind,Date): EP 93302365 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-341616; G 96-062972; G 98-181451

JAPIO Reference No: * 180121P000165; 180264P000063; 180522P000136;
180618P000070

Language of Document: English

Patent (No,Kind,Date): EP 589709 A3 19940928

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (DE); MATSUSHITA
ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A
19930510; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 93307575 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 608126 A3 19951129

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English;
French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);
USHIGOME HISASHI (JP)

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP

93297504 A 19931102; JP 93314114 A 19931119
Applc (No,Kind,Date): EP 94300403 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04; G11B-023/44
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
Language of Document: English
Patent (No,Kind,Date): EP 609013 A3 19951129
RECORDING AND REPRODUCING APPARATUS. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);
TANAKA MITIRO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119
Applc (No,Kind,Date): EP 94300402 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
; G11B-023/00; G11B-023/36
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
Language of Document: English
Patent (No,Kind,Date): EP 609617 A3 19961211
RECORDING AND REPRODUCING APPARATUS. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO
MAKOTO (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A
19930727; JP 92321063 A 19921201
Applc (No,Kind,Date): EP 93309619 A 19931201
Designated States: (National) BE; DE; FR; GB; NL
IPC: * G06F-001/18
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
Language of Document: English
Patent (No,Kind,Date): EP 637016 A3 19950830
RECORDING AND REPRODUCING APPARATUS. (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A
19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP
93314114 A 19931119
Applc (No,Kind,Date): EP 94305557 A 19940727
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL
IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00
; G11B-023/28
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G
01-018026
Language of Document: English
Patent (No,Kind,Date): EP 766478 A3 20000119
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): EP 96119060 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: English

Patent (No,Kind,Date): EP 833319 A3 20020403
DISC-SHAPED RECORDING MEDIUM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119
Applie (No,Kind,Date): EP 97118775 A 19940119
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * G11B-013/04; G11B-020/12
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026
Language of Document: English
Patent (No,Kind,Date): EP 1035693 A3 20001206
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114572 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035694 A3 20001206
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114573 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1035695 A3 20001206
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114575 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G

00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035696 A3 20001206

MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114577 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035697 A3 20001206

MUTLIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114578 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1035698 A3 20001206

MUTLIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114579 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039672 A3 20001206

MUTLIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applie (No,Kind,Date): EP 2000114576 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039673 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114689 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039674 A3 20001206
MULTIRESOLTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114690 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039675 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925

Applie (No,Kind,Date): EP 2000114692 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039676 A3 20001206
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114694 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039677 A3 20001206
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH
MULTICARRIER MODULATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114696 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039678 A3 20001206
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114697 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039679 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114698 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039680 A3 20001206

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER MODULATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114699 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039681 A3 20001206

MUTLIRESOLUTION TRANSMITION AND ERROR CORRECTION CODING, WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114701 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1039682 A3 20001206

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SINGALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114702 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1045541 A3 20001206

MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114700 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049282 A3 20001206
MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;
German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applie (No,Kind,Date): EP 2000114574 A 19930924
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049283 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114693 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1049284 A3 20001206
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): EP 2000114695 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G

00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1120777 A3 20011010
OPTICAL DISK (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): EP 95938017 A3 19951116; JP 94283415 A
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): EP 2001108949 A 19951116

Designated States: (National) DE; FR; GB

IPC: * G11B-020/00; G06F-001/00; G11B-007/00; G11B-027/30; G11B-023/28
; G11B-013/04; G11B-011/105; G11B-019/02; G11B-019/12; G11B-007/007;
G11B-007/26; G11B-020/12; G11B-027/10

Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119

Language of Document: English

Patent (No,Kind,Date): EP 689200 A4 19960529
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A
19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP
94156089 A 19940707; JP 94299508 A 19941202

Applic (No,Kind,Date): EP 95904033 A 19941228

Designated States: (National) DE; FR; GB; IT

IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00;
G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
01-018026

Language of Document: English

Patent (No,Kind,Date): EP 706174 A4 19970702
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL
INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English;
French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
9515318 A 19950201; JP 9516865 A 19950203

Applic (No,Kind,Date): EP 95915345 A 19950418

Designated States: (National) DE; FR; GB; NL

IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06
; G11B-007/09

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
96-268785; G 01-018026

Language of Document: English

Patent (No,Kind,Date): EP 741382 A4 19970702
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK
PRODUCING METHOD (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): EP 95938017 A 19951116

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12

Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119

Language of Document: English

Patent (No,Kind,Date): EP 802527 A4 19971210
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED

COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM
(English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No, Kind, Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applie (No, Kind, Date): EP 96932845 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No, Kind, Date): EP 807929 A4 19971210

Priority (No, Kind, Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applie (No, Kind, Date): EP 96915172 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English; French; German

Patent (No, Kind, Date): EP 506400 B1 19971217

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No, Kind, Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applie (No, Kind, Date): EP 92302627 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No, Kind, Date): EP 589709 B1 20010829

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No, Kind, Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 92256070 A 19920925

Applie (No, Kind, Date): EP 93307575 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: * H04L-001/00; H04L-027/18

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No, Kind, Date): EP 637016 B1 20010307

RECORDING AND REPRODUCING APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No, Kind, Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119

Applie (No, Kind, Date): EP 94305557 A 19940727

Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL

IPC: * G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28

Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026

Language of Document: English

Patent (No,Kind,Date): EP 741382 B1 20011010
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
Applie (No,Kind,Date): EP 95938017 A 19951116
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06 ; G11B-007/09; G11B-020/00; G06F-001/00
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 766478 B1 20020327
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applie (No,Kind,Date): EP 96119060 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): EP 802527 B1 20010829
RECODER FOR OPTICAL DISKS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): EP 96932845 A 19961008
Designated States: (National) DE; FR; GB
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 807929 B1 20010228
OPTICAL DISK PROVIDED WITH BAR CODE (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 96915172 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10; G11B-020/00; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 975168 B1 20020327
SIGNAL TRANSMISSION SYSTEM (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applie (No,Kind,Date): EP 99119266 A 19920326
Designated States: (National) DE; FR; GB; NL
IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975171 B1 20020327

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 99121008 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975172 B1 20020327

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 99121024 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 975173 B1 20020327

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 99121025 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: * H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: * 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 1003162 B1 20001102

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ÉLÉCTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000103257 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005024 B1 20010530

OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102966 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005025 B1 20020102

OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102967 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005026 B1 20010523

OPTICAL RECORDER (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102968 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005027 B1 20010523

OPTICAL RECORDER (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102969 A 19961008

Designated States: (National) DE; FR; GB

IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005033 B1 20010919

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000101774 A 19960515

Designated States: (National) DE; FR; GB

IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005034 B1 20001102
AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 2000101775 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1005035 B1 20001102
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 2000104818 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1006516 B1 20011121
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 2000105014 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1006517 B1 20011128
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 2000106447 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1031974 B1 20010816
AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applie (No,Kind,Date): EP 2000112310 A 19960515
Designated States: (National) DE; FR; GB
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): EP 1039675 B1 20020306
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114692 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039680 B1 20020306
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER MODULATION (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114699 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1039682 B1 20020306
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
(English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114702 A 19930326
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE
IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): EP 1045541 B1 20020306
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH
MULTICARRIER SIGNALS (English; French; German)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): EP 2000114700 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
 G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: English
 Patent (No,Kind,Date): EP 1049284 B1 20020306
 MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French
 ; German)
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
 Author (Inventor): OSHIMA MITSUAKI (JP)
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A
 19920326; JP 92256070 A 19920925
 Applic (No,Kind,Date): EP 2000114695 A 19930326
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
 IT; LI; LU; MC; NL; PT; SE
 IPC: * H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34
 ; H04N-007/24
 Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
 G 01-063441
 JAPIO Reference No: * 180486E000144
 Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):
 EP 506400 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 506400 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 506400 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 506400 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 506400 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 506400 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 92302627 A 19920326
 EP 506400 P 19920930 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
 EP 506400 P 19920930 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 506400 P 19930526 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT (IN EINEM
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL
 EP 506400 P 19930526 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 506400 P 19940112 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 931117
 EP 506400 P 19960110 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 951127
 EP 506400 P 19970402 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 766478 P
 EP 506400 P 19971217 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
 VERTRAGSSSTAATEN)
 DE FR GB NL
 EP 506400 P 19971217 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 506400 P 19971217 EP DX MISCELLANEOUS: (DELETED)
 (DIVERSES: (GELOESCHT))
 EP 506400 P 19980129 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69223541 P 19980129
 EP 506400 P 19980320 EP ET FR: TRANSLATION FILED (FR:
 TRADUCTION A ETE REMISE)
 EP 506400 P 19981209 EP 26N NO OPPOSITION FILED (KEIN
 EINSPRUCH EINGELEGT)
 EP 506400 P 20000119 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 973335 P
 EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975168 P
 EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975169 P
 EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975170 P
 EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P
 EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975172 P
 EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975173 P
 EP 506400 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975174 P
 EP 506400 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049334 P
 EP 506400 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 766478 P
 EP 506400 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975168 P
 EP 506400 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P
 EP 506400 P 20020327 EP AH DIVISIONAL APPLICATION (ART.

76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 975172 P
 EP 506400 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 975173 P
 EP 555031 P 19920129 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 9213809 A 19920129
 EP 555031 P 19920228 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 9242558 A 19920228
 EP 555031 P 19920309 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9250328 A 19920309
 EP 555031 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 9268031 A 19920326
 EP 555031 P 19920430 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 92111176 A 19920430
 EP 555031 P 19920722 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 92194450 A 19920722
 EP 555031 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 92280874 A 19920925
 EP 555031 P 19930129 EP AE EP-APPLICATION (EP-AE
 EUROPAEISCHE ANMELDUNG)
 EP 93300695 A 19930129
 EP 555031 P 19930811 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 555031 P 19930811 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 555031 P 19930811 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 930206
 EP 555031 P 19951115 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 555031 P 19951115 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 555031 P 19970402 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 970214
 EP 555031 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS
 ZURUECKGENOMMEN GELTEN)
 980626
 EP 562875 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 9267934 A 19920326

EP 562875 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 562875 P 19930326 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 93302369 A 19930326
 EP 562875 P 19930929 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 562875 P 19930929 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 562875 P 19930929 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 930403
 EP 562875 P 19960417 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 960306
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114689 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114690 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114692 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114693 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114694 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114695 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114696 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114697 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114698 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114699 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000114700 A 20000708
 EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.

76) IN: (KORR.))
EP 2000114701 A 20000708
EP 562875 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114702 A 20000708
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039673 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039674 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039675 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039676 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039677 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039678 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039679 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039680 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039681 P
EP 562875 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1039682 P
EP 562875 P 20001018 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1045541 P
EP 562875 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1049283 P
EP 562875 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1049284 P
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1039673
EP 2000114689 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1039674
EP 2000114690 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1039675
EP 2000114692 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1049283
EP 2000114693 A 20000708
EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))

1039676
 EP 2000114694 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1049284
 EP 2000114695 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1039677
 EP 2000114696 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1039678
 EP 2000114697 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1039679
 EP 2000114698 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1039680
 EP 2000114699 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1045541
 EP 2000114700 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1039681
 EP 2000114701 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 1039682
 EP 2000114702 A 20000708
 EP 562875 P 20010926 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2001118510 A 20010801
 EP 562875 P 20011114 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1154608 P
 EP 562875 P 20020306 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1039675 P
 EP 562875 P 20020306 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1039680 P
 EP 562875 P 20020306 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1039682 P
 EP 562875 P 20020306 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1045541 P
 EP 562875 P 20020306 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1049284 P
 EP 564187 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9268031 A 19920326

EP 564187 P 19920430 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P JP 92111176 A 19920430 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P JP 92194450 A 19920722 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P JP 92280874 A 19920925 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P JP 92282666 A 19921021 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P JP 92331300 A 19921211 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P 19930121 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 564187 P JP 938596 A 19930121 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

EP 564187 P EP 93302365 A 19930326

EP 564187 P 19931006 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 564187 P 19931006 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 564187 P 19931006 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 930403

EP 564187 P 19951206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 564187 P 19951206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 564187 P 19970402 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
 970214

EP 564187 P 19980225 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN)
 970826

EP 589709 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 589709 P JP 92256070 A 19920925 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 589709 P JP 9366461 A 19930325 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 589709 P JP 93132984 A 19930510 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 589709 P 19930924 EP AE EP-APPLICATION

(EUROPAEISCHE ANMELDUNG)

EP 589709 P 19940330 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 589709 P 19940330 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 589709 P 19940330 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
931002

EP 589709 P 19940928 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 589709 P 19940928 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 589709 P 19970102 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
961115

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114572 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114573 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114574 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114575 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114576 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114577 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114578 A 20000707

EP 589709 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2000114579 A 20000707

EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1035693 P

EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1035694 P

EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 589709 P EP 1035695 P DIVISIONAL APPLICATION (ART.
 20000913 EP AH 76) IN: (TEILANMELDUNG (ART. 76) IN:
 EP 1035696 P
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 EP 1035697 P
 EP 589709 P 20000913 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 EP 1035698 P
 EP 589709 P 20000927 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 EP 1039672 P
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1035693
 EP 2000114572 A 20000707
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1035694
 EP 2000114573 A 20000707
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1049282
 EP 2000114574 A 20000707
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1035695
 EP 2000114575 A 20000707
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1039672
 EP 2000114576 A 20000707
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1035696
 EP 2000114577 A 20000707
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1035697
 EP 2000114578 A 20000707
 EP 589709 P 20010829 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1035698
 EP 2000114579 A 20000707
 EP 589709 P 20010829 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
 VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 589709 P 20010829 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 589709 P 20010829 EP REF IN AUSTRIA REGISTERED AS:
 (IN AT EINGETRAGEN ALS:
 AT 205032 R 20010915
 EP 589709 P 20010829 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/18 B
 EP 589709 P 20010831 CH EP/REG ENTRY IN THE NATIONAL PHASE
 (EINTRITT IN DIE NATIONALE PHASE)
 EP 589709 P 20011003 IE FG4D/REG EUROPEAN PATENTS GRANTED
 DESIGNATING IRELAND
 EP 589709 P 20011004 EP REF CORRESPONDS TO:
 (ENTSPRICHT)

EP 589709 P DE 69330665 P 20011004
 EP 589709 P 20020125 EP EN FR: TRANSLATION NOT FILED
 (FR: TRADUCTION N'A PAS ETE REMISE)
 EP 589709 P 20020201 EP NLV1 NL: LAPSED OR ANNULED DUE TO
 FAILURE TO FULFILL THE REQUIREMENTS OF ART.
 29P AND 29M OF THE PATENTS ACT; NO LEGAL
 EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL
 NICHT EINGETREten (ART. 29P UND 29M NL
 PATG.))
 EP 589709 P 20020228 CH PL/REG PATENT CEASED
 (LOESCHUNG/RADIATION/RADIAZION)
 EP 608126 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 608126 P 19930325 JP 938596 A 19930121
 JP 9392219 A 19930325
 EP 608126 P 19930409 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 608126 P 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 608126 P 19931102 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 608126 P 19931119 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 608126 P 19940119 EP AE JP 93314114 A 19931119
 EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 94300403 A 19940119
 EP 608126 P 19940727 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 608126 P 19940727 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 608126 P 19940727 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 940127
 EP 608126 P 19951129 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 608126 P 19951129 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 608126 P 19970903 EP 17Q FIRST EXAMINATION REPORT (ART.
 76) ERSTER PRUEFUNGSBESCHEID
 970722
 EP 608126 P 19980527 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 844611 P
 EP 608126 P 19980527 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 608126 P 19980729 EP 18D DEEMED TO BE WITHDRAWN (ALS
 ZURUECKGENOMMEN GELTEN)
 980203

EP 609013 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19930325 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19930409 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609013 P 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9392219 A 19930409
 EP 609013 P 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727

EP 609013 P 19931102 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93297504 A 19931102
 EP 609013 P 19931119 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93314114 A 19931119
 EP 609013 P 19940119 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)

EP 609013 P 19940803 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 609013 P 19940803 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 609013 P 19940803 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 940127

EP 609013 P 19951129 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 609013 P 19951129 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))

EP 609013 P 19970903 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 970722

EP 609013 P 19980401 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 833319 P

EP 609013 P 19981223 EP 18D DEEMED TO BE WITHDRAWN (ALS
 ZURUECKGENOMMEN GELTEN)
 980626

EP 609617 P 19921201 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92321063 A 19921201

EP 609617 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 609617 P JP 938596 A 19930121
 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93205682 A 19930727
 EP 609617 P 19931201 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 93309619 A 19931201
 EP 609617 P 19940810 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 BE DE FR GB NL
 EP 609617 P 19940810 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 609617 P 19940810 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 931214
 EP 609617 P 19961211 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 BE DE FR GB NL
 EP 609617 P 19961211 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 609617 P 19971203 EP 18D DEEMED TO BE WITHDRAWN (ALS
 ZURUECKGENOMMEN GELTEN)
 970612
 EP 617531 P 19930325 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9366461 A 19930325
 EP 617531 P 19930510 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93132984 A 19930510
 EP 617531 P 19930924 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93261612 A 19930924
 EP 617531 P 19940324 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 94302149 A 19940324
 EP 617531 P 19940928 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 617531 P 19940928 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 617531 P 19940928 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 940402
 EP 617531 P 19970102 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 961115
 EP 617531 P 19971217 EP 18D DEEMED TO BE WITHDRAWN (ALS
 ZURUECKGENOMMEN GELTEN)
 970527
 EP 637016 P 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 637016 P JP 93205682 A 19930727
 19931102 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 637016 P JP 93297504 A 19931102
 19931119 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 637016 P JP 93314114 A 19931119
 19940418 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 637016 P JP 94104879 A 19940418
 19940707 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 637016 P JP 94156089 A 19940707
 19940727 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 94305557 A 19940727
 EP 637016 P 19950201 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 BE CH DE FR GB IT LI NL
 EP 637016 P 19950201 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 637016 P 19950201 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 940805
 EP 637016 P 19950830 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 BE CH DE FR GB IT LI NL
 EP 637016 P 19950830 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 637016 P 19980408 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 980220
 EP 637016 P 20000913 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000115017 A 20000724
 EP 637016 P 20001108 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1050879 P
 EP 637016 P 20010307 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 1050879
 EP 2000115017 A 20000724
 EP 637016 P 20010307 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
 VERTRAGSSTAATEN)
 BE CH DE FR GB IT LI NL
 EP 637016 P 20010307 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 637016 P 20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE
 (EINTRITT IN DIE NATIONALE PHASE)
 EP 637016 P 20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE
 (EINTRITT IN DIE NATIONALE PHASE)
 EP 637016 P 20010412 EP REF CORRESPONDS TO:

(ENTSPRICHT)

DE 69426795 P 20010412

EP 637016 P 20010525 EP ITF IT: TRANSLATION FOR A EP
PATENT FILED (IT: DEPOSITO TRADUZIONE DI
BREVETTO EUROPEO)
SOCIETA' ITALIANA BREVETTI S.P.A.

EP 637016 P 20010615 EP ET FR: TRANSLATION FILED (FR:
TRADUCTION A ETE REMISE)

EP 637016 P 20020227 EP 26N NO OPPOSITION FILED (KEIN
EINSPRUCH EINGELEGT)

EP 689200 P 19931228 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93335165 A 19931228

EP 689200 P 19940120 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9422191 A 19940120

EP 689200 P 19940418 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94104879 A 19940418

EP 689200 P 19940707 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94156089 A 19940707

EP 689200 P 19941202 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 94299508 A 19941202

EP 689200 P 19941228 EP AA PCT-APPLICATION
(PCT-ANMELDUNG)

WO 94JP2304 W 19941228

EP 689200 P 19941228 EP AE EP-APPLICATION
(EUROPÄISCHE ANMELDUNG)

EP 689200 P 199504033 A 19941228

EP 689200 P 19951227 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB IT

EP 689200 P 19951227 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 689200 P 19960207 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
951213

EP 689200 P 19960529 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A SUPPLEMENTARY SEARCH
REPORT: (IN EINEM ERGÄNZENDEN
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB IT

EP 689200 P 19960529 EP A4 SUPPLEMENTARY SEARCH REPORT
(ERGÄNZENDER RECHERCHENBERICHT)

EP 689200 P 19960605 EP K1C1 CORRECTION OF PATENT
APPLICATION (TITLE PAGE) PUBLISHED
(BERICHTIGUNG DER PATENTANMELDUNG
(TITELSEITE) ERSCHIENEN)
951227

EP 689200 P 19960605 EP RAP1 APPLICANT (CORRECTION) (ANMELDER (KORR.))
MATSHISHITA ELECTRIC INDUSTRIAL CO., LTD.

EP 689200 P 19990120 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
981204

EP 706174 P 19940418 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 706174 P JP 94104879 A 19940418
 19941117 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 706174 P JP 94283415 A 19941117
 19941228 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 706174 P JP 94327963 A 19941228
 19950201 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 706174 P JP 9515318 A 19950201
 19950203 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 EP 706174 P JP 9516865 A 19950203
 19950418 EP AA PCT-APPLICATION
 (PCT-ANMELDUNG)
 WO 95JP760 W 19950418
 EP 706174 P 19950418 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 95915345 A 19950418
 EP 706174 P 19960410 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
 DE FR GB NL
 EP 706174 P 19960410 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 706174 P 19960410 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
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 EP 706174 P 19970702 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH
 REPORT: (IN EINEM ERGAENZENDEN
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 DE FR GB NL
 EP 706174 P 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT
 (ERGAENZENDER RECHERCHENBERICHT)
 EP 706174 P 19991215 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 19991027
 EP 741382 P 19941117 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 94283415 A 19941117
 EP 741382 P 19950202 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9516153 A 19950202
 EP 741382 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 741382 P 19951116 EP AA PCT-APPLICATION
 (PCT-ANMELDUNG)
 WO 95JP2339 W 19951116
 EP 741382 P 19951116 EP AE EP-APPLICATION (EP
 (EUROPAEISCHE ANMELDUNG)
 EP 95938017 A 19951116
 EP 741382 P 19961106 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

EP 741382 P DE FR GB 19961106 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 741382 P 19970108 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 961112
 EP 741382 P 19970702 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH
 REPORT: (IN EINEM ERGAENZENDEN
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 DE FR GB
 EP 741382 P 19970702 EP A4 SUPPLEMENTARY SEARCH REPORT
 (ERGAENZENDER RECHERCHENBERICHT)
 EP 741382 P 19990922 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 19990804
 EP 741382 P 20010606 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2001108949 A 20010410
 EP 741382 P 20010801 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1120777 P
 EP 741382 P 20011010 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
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 EP 2001108949 A 20010410
 EP 741382 P 20011010 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT
 VERTRAGSSTAATEN)
 DE FR GB
 EP 741382 P 20011010 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 741382 P 20011115 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69523139 P 20011115
 EP 741382 P 20020308 EP ET FR: TRANSLATION FILED (FR:
 TRADUCTION A ETE REMISE)
 EP 766478 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9162798 A 19910327
 EP 766478 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9195813 A 19910425
 EP 766478 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91155650 A 19910529
 EP 766478 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91182236 A 19910723
 EP 766478 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9260739 A 19920317
 EP 766478 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 766478 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 96119060 A 19920326
 EP 766478 P 19970402 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 766478 P 19970402 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 766478 P 19970402 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99119266 A 19990928

EP 766478 P 19991124 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99119266 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99119278 A 19990928

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99121006 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99121007 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99121008 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99121024 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99121025 A 19991021

EP 766478 P 19991215 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

EP 99121026 A 19991021

EP 766478 P 20000119 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 973335 P

EP 766478 P 20000119 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 766478 P 20000119 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 975168 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 975169 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 975170 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 975171 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 975172 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 975173 P

EP 766478 P 20000126 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 975174 P

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975168
EP 99119266 A 19990928

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
973335
EP 99119278 A 19990928

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975169
EP 99121006 A 19991021

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975170
EP 99121007 A 19991021

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975171
EP 99121008 A 19991021

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975172
EP 99121024 A 19991021

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975173
EP 99121025 A 19991021

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
975174
EP 99121026 A 19991021

EP 766478 P 20000830 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000114691 A 20000708

EP 766478 P 20000913 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000719

EP 766478 P 20001102 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:
EP 1049334 P

EP 766478 P 20010321 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20010206

EP 766478 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 766478 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 975168 P
 EP 766478 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 975171 P
 EP 766478 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 975172 P
 EP 766478 P 20020327 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 975173 P
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 975168
 EP 99119266 A 19990928
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 973335
 EP 99119278 A 19990928
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 975169
 EP 99121006 A 19991021
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 975170
 EP 99121007 A 19991021
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 975171
 EP 99121008 A 19991021
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 975172
 EP 99121024 A 19991021
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 975173
 EP 99121025 A 19991021
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 975174
 EP 99121026 A 19991021
 EP 766478 P 20020327 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 1049334
 EP 2000114691 A 20000708
 EP 766478 P 20020327 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
 VERTRAGSSTAATEN)
 DE FR GB NL
 EP 766478 P 20020327 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 802527 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 802527 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 802527 P 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 802527 P 19961008 JP 96211304 A 19960809
 (PCT-ANMELDUNG)
 WO 96JP2924 W 19961008
 EP 802527 P 19961008 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 96932845 A 19961008
 EP 802527 P 19971022 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB
 EP 802527 P 19971022 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 802527 P 19971022 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 970707
 EP 802527 P 19971210 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH
 REPORT: (IN EINEM ERGÄNZENDEN
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 DE FR GB
 EP 802527 P 19971210 EP A4 SUPPLEMENTARY SEARCH REPORT
 (ERGÄNZENDER RECHERCHENBERICHT)
 971022
 EP 802527 P 20000405 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000102965 A 20000211
 EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005023 P
 EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005024 P
 EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005025 P
 EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005026 P
 EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005027 P
 EP 802527 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005028 P
 EP 802527 P 20000614 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20000427
 EP 802527 P 20000802 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1024478 P
 EP 802527 P 20010321 EP RTI1 TITEL (CORRECTION) (TITEL
 (KORR.))
 RECORDER FOR OPTICAL DISKS
 EP 802527 P 20010328 EP RTI1 TITEL (CORRECTION) (TITEL
 (KORR.))
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 EP 802527 P 20010523 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005026 P
 EP 802527 P 20010523 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1005027 P

EP 802527 P 20010530 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 EP 1005024 P
 EP 802527 P 20010829 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
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 EP 2000102965 A 20000211
 EP 802527 P 20010829 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1005024
 EP 2000102966 A 20000211
 EP 802527 P 20010829 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1005025
 EP 2000102967 A 20000211
 EP 802527 P 20010829 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1005026
 EP 2000102968 A 20000211
 EP 802527 P 20010829 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
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 EP 2000102969 A 20000211
 EP 802527 P 20010829 EP AHF DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 1024478
 EP 2000102970 A 20000211
 EP 802527 P 20010829 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEGUEHRTE BENANNTE
 VERTRAGSSTAATEN)
 DE FR GB
 EP 802527 P 20010829 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 802527 P 20011004 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69614823 P 20011004
 EP 802527 P 20011207 EP ET FR: TRANSLATION FILED (FR:
 TRADUCTION A ETE REMISE)
 EP 802527 P 20020102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 EP 1005025 P
 EP 802527 P 20020102 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:
 EP 1168328 P
 EP 807929 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 807929 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 807929 P 19960515 EP AA PCT-APPLICATION
 (PCT-ANMELDUNG)
 WO 96JP1303 W 19960515
 EP 807929 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 96915172 A 19960515
 EP 807929 P 19971119 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB

EP 807929 P 19971119 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 807929 P 19971119 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 970918
 EP 807929 P 19971210 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A SUPPLEMENTARY SEARCH
 REPORT: (IN EINEM ERGAENZENDEN
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 DE FR GB
 EP 807929 P 19971210 EP A4 SUPPLEMENTARY SEARCH REPORT
 (ERGAENZENDER RECHERCHENBERICHT)
 971022
 EP 807929 P 19990922 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 19990804
 EP 807929 P 20000322 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000101774 A 20000128
 EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000101774 A 20000128
 EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000101775 A 20000128
 EP 807929 P 20000412 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000103257 A 20000217
 EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000101774 A 20000128
 EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000101775 A 20000128
 EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000103257 A 20000217
 EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000104818 A 20000306
 EP 807929 P 20000503 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000105014 A 20000309
 EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000101774 A 20000128
 EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000101775 A 20000128
 EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2000103257 A 20000217
 EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000105014 A 20000309

EP 807929 P 20000517 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000106447 A 20000324

EP 807929 P 20000524 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1003162 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1005033 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1005034 P

EP 807929 P 20000531 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1005035 P

EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1006516 P

EP 807929 P 20000607 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1006517 P

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005033
EP 2000101774 A 20000128

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005034
EP 2000101775 A 20000128

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1003162
EP 2000103257 A 20000217

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005035
EP 2000104818 A 20000306

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1006516
EP 2000105014 A 20000309

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
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EP 2000106447 A 20000324

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000109898 A 20000510

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000109899 A 20000510

EP 807929 P 20000705 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.

EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005033
EP 2000101774 A 20000128
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005034
EP 2000101775 A 20000128
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1003162
EP 2000103257 A 20000217
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1005035
EP 2000104818 A 20000306
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1006516
EP 2000105014 A 20000309
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
1006517
EP 2000106447 A 20000324
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000109898 A 20000510
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000109899 A 20000510
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000110461 A 20000516
EP 807929 P 20000802 EP RAHF DIVISIONAL APPLICATION (ART.
76) IN: (CORRECTION) (TEILANMELDUNG (ART.
76) IN: (KORR.))
EP 2000112310 A 20000608
EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1028422 P
EP 807929 P 20000816 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1028423 P
EP 807929 P 20000823 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1030297 P
EP 807929 P 20000830 EP AH DIVISIONAL APPLICATION (ART.
76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1031974 P
EP 807929 P 20000906 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7G 11B 7/007 A, 7G 11B 7/24 B, 7G 06K 19/00
B, 7G 11B 20/10 B, 7G 11B 20/00 B, 7G 06F
1/00 B
EP 807929 P 20000906 EP RTI1 TITEL (CORRECTION) (TITEL
(KORR.))
OPTICAL DISK PROVIDED WITH BAR CODE

EP 807929	P	20001102 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: EP 1003162 P
EP 807929	P	20001102 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: EP 1005034 P
EP 807929	P	20001102 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: EP 1005035 P
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1005033 EP 2000101774 A 20000128
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1005034 EP 2000101775 A 20000128
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1003162 EP 2000103257 A 20000217
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1005035 EP 2000104818 A 20000306
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1006516 EP 2000105014 A 20000309
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1006517 EP 2000106447 A 20000324
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1028422 EP 2000109898 A 20000510
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1028423 EP 2000109899 A 20000510
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1030297 EP 2000110461 A 20000516
EP 807929	P	20010228 EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: 1031974 EP 2000112310 A 20000608
EP 807929	P	20010228 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB
EP 807929	P	20010228 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 807929	P	20010405 EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69611906 P 20010405
EP 807929	P	20010615 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 807929	P	20010816 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: EP 1031974 P
EP 807929	P	20010919 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN: EP 1005033 P
EP 807929	P	20011121 EP AH	DIVISIONAL APPLICATION (ART.

76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1006516 P
 EP 807929 P 20011128 EP AH DIVISIONAL APPLICATION (ART.
 76) IN: (TEILANMELDUNG (ART. 76) IN:)
 EP 1006517 P
 EP 807929 P 20020220 EP 26N NO OPPOSITION FILED (KEIN
 EINSPRUCH EINGELEGT)
 EP 833319 P 19930121 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 938596 A 19930121
 EP 833319 P 19930325 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9392219 A 19930325
 EP 833319 P 19930409 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93107423 A 19930409
 EP 833319 P 19930727 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93205682 A 19930727
 EP 833319 P 19931102 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93297504 A 19931102
 EP 833319 P 19931119 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93314114 A 19931119
 EP 833319 P 19940119 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 94300402 A3 19940119
 EP 833319 P 19940119 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 97118775 A 19940119
 EP 833319 P 19980401 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 609013 P
 EP 833319 P 19980401 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 833319 P 19980401 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 833319 P 19980401 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 971029
 EP 833319 P 19980429 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; SHIMIZU, RYOSUKE ; KOUDO,
 TOSHIKAZU ; YOSHIURA, TSUKASA ; MATSUURA,
 TAKUMI ; TANAKA, MITIRO ; TAN, SATOSHI
 EP 833319 P 20020327 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7G 11B 13/04 A, 7G 11B 20/12 B
 EP 833319 P 20020403 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 833319 P 20020403 EP A3 SEPARATE PUBLICATION OF THE

SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 844611 P 19930121 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 938596 A 19930121
EP 844611 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9392219 A 19930325
EP 844611 P 19930409 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93107423 A 19930409
EP 844611 P 19930727 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727
EP 844611 P 19931102 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93297504 A 19931102
EP 844611 P 19931119 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93314114 A 19931119
EP 844611 P 19940119 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 94300403 A3 19940119
EP 844611 P 19940119 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 98100524 A 19940119
EP 844611 P 19980527 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 608126 P
EP 844611 P 19980527 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 844611 P 19980527 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 844611 P 19980527 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
980114

EP 844612 P 19930121 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 938596 A 19930121
EP 844612 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9392219 A 19930325
EP 844612 P 19930409 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93107423 A 19930409
EP 844612 P 19930727 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93205682 A 19930727
EP 844612 P 19931102 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 844612 P JP 93297504 A 19931102
 19931119 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93314114 A 19931119
 EP 844612 P 19940119 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 94300403 A3 19940119
 EP 844612 P 19940119 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 98100525 A 19940119
 EP 844612 P 19980527 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 608126 P
 EP 844612 P 19980527 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 844612 P 19980527 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 844612 P 19980527 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 980114
 EP 971345 P 19961219 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 96339304 A 19961219
 EP 971345 P 19970122 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 979318 A 19970122
 EP 971345 P 19970924 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 97259110 A 19970924
 EP 971345 P 19971217 EP AA PCT-APPLICATION
 (PCT-ANMELDUNG)
 WO 97JP4664 W 19971217
 EP 971345 P 19971217 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 97949124 A 19971217
 EP 971345 P 20000112 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB IT NL
 EP 971345 P 20000112 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 971345 P 20000112 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19990719
 EP 973335 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9162798 A 19910327
 EP 973335 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9195813 A 19910425
 EP 973335 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91155650 A 19910529
 EP 973335 P 19910723 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91182236 A 19910723
 EP 973335 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 9260739 A 19920317
 EP 973335 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 973335 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP 973335 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99119278 A 19920326
 EP 973335 P 20000119 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 973335 P 20000119 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P
 EP 973335 P 20000119 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

 DE FR GB NL
 EP 973335 P 20000119 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 973335 P 20000119 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991015
 EP 973335 P 20001004 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL
 EP 973335 P 20001115 EP K1C3 CORRECTION OF PATENT
 APPLICATION (COMPLETE REPRINT) PUBLISHED
 (BERICHTIGUNG DER PATENTANMELDUNG
 (KOMPLETTNEUDRUCK) ERSCHIENEN)
 20000119
 EP 973335 P 20001206 EP RPR1 PRIORITY (CORRECTION)
 (PRIORITAET (KORR.))
 JP 19910327 6279891 ; JP 19910425 9581391 ;
 JP 19910529 15565091 ; JP 19910723 18223691 ;
 JP 19920317 6073992
 EP 973335 P 20011205 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20011018
 EP 975168 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 9162798 A 19910327
 EP 975168 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 9195813 A 19910425
 EP 975168 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 91155650 A 19910529
 EP 975168 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

 JP 91182236 A 19910723
 EP 975168 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9260739 A 19920317
 EP 975168 P 19920326 EP AA DIVIDED OUT OF

(AUSSCHEIDUNG AUS)

EP 975168 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326

EP 975168 P 19920326 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 99119266 A 19920326

EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P

EP 975168 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P

EP 975168 P 20000126 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL

EP 975168 P 20000126 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 975168 P 20000126 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991022

EP 975168 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL

EP 975168 P 20001115 EP K1C3 CORRECTION OF PATENT
 APPLICATION (COMPLETE REPRINT) PUBLISHED
 (BERICHTIGUNG DER PATENTANMELDUNG
 (KOMPLETTNEUDRUCK) ERSCHIENEN)
 20000126

EP 975168 P 20010418 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010227

EP 975168 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P

EP 975168 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P

EP 975168 P 20020327 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN
 VERTRAGSSTAATEN)
 DE FR GB NL

EP 975168 P 20020327 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)

EP 975169 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975169 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975169 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 975169 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 975169 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 975169	P	19920326 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975169	P	19920326 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975169	P	19920326 EP AE	EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
EP 975169	P	20000126 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975169	P	20000126 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975169	P	20000126 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
EP 975169	P	20000126 EP A1	DE FR GB NL PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975169	P	20000126 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021
EP 975169	P	20001011 EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
EP 975170	P	19910327 EP AA	DE FR GB NL PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	19910425 EP AA	JP 9162798 A 19910327 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	19910529 EP AA	JP 9195813 A 19910425 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	19910723 EP AA	JP 91155650 A 19910529 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	19920317 EP AA	JP 91182236 A 19910723 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	19920326 EP AA	JP 9260739 A 19920317 DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975170	P	19920326 EP AA	EP 92302627 A3 19920326 DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975170	P	19920326 EP AE	EP 96119060 A3 19920326 EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
EP 975170	P	20000126 EP AC	EP 99121007 A 19920326 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975170	P	20000126 EP AC	EP 506400 P DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975170	P	20000126 EP AK	EP 766478 P DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL
 EP 975170 P 20000126 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 975170 P 20000126 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991021
 EP 975170 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL
 EP 975171 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9162798 A 19910327
 EP 975171 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9195813 A 19910425
 EP 975171 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91155650 A 19910529
 EP 975171 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91182236 A 19910723
 EP 975171 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9260739 A 19920317
 EP 975171 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 975171 P 19920326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP 975171 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99121008 A 19920326
 EP 975171 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 975171 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P
 EP 975171 P 20000126 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB NL
 EP 975171 P 20000126 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 975171 P 20000126 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991021
 EP 975171 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL
 EP 975171 P 20010418 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010227
 EP 975171 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 975171 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P

EP 975171 P 20020327 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEGUEHRTE BENANNTEN
 VERTRAGSSTAATEN)
 DE FR GB NL

EP 975171 P 20020327 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)

EP 975172 P 19910327 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 975172 P 19910425 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9195813 A 19910425

EP 975172 P 19910529 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 975172 P 19910723 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 975172 P 19920317 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 975172 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326

EP 975172 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326

EP 975172 P 19920326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 99121024 A 19920326

EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P

EP 975172 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P

EP 975172 P 20000126 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB NL

EP 975172 P 20000126 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)

EP 975172 P 20000301 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 19991021

EP 975172 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
 (NL: KORREKTUREN (TEIL 1 RUBRIK G))

DE FR GB NL

EP 975172 P 20010404 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010222

EP 975172 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P

EP 975172 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P

EP 975172 P 20020327 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEGUEHRTE BENANNTEN

VERTRAGSSTAATEN)
DE FR GB NL

EP 975172 P 20020327 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 975173 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327
EP 975173 P 19910425 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 9195813 A 19910425

EP 975173 P 19910529 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529
EP 975173 P 19910723 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723
EP 975173 P 19920317 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317
EP 975173 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 92302627 A3 19920326

EP 975173 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96119060 A3 19920326

EP 975173 P 19920326 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 99121025 A 19920326

EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 506400 P

EP 975173 P 20000126 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 766478 P

EP 975173 P 20000126 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

DE FR GB NL
EP 975173 P 20000126 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 975173 P 20000126 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
19991021

EP 975173 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES
(NL: KORREKTUREN (TEIL 1 RUBRIK G))
DE FR GB NL

EP 975173 P 20010418 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20010227

EP 975173 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 506400 P

EP 975173 P 20020327 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 766478 P

EP 975173 P 20020327 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT
VERTRAGSSTAATEN)
DE FR GB NL

EP 975173 P 20020327 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 975174 P 19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9162798 A 19910327
 EP 975174 P 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9195813 A 19910425
 EP 975174 P 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91155650 A 19910529
 EP 975174 P 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 91182236 A 19910723
 EP 975174 P 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9260739 A 19920317
 EP 975174 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 92302627 A3 19920326
 EP 975174 P 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96119060 A3 19920326
 EP 975174 P 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
 EP 99121026 A 19920326
 EP 975174 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 506400 P
 EP 975174 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 766478 P
 EP 975174 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB NL
 EP 975174 P 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
 EP 975174 P 20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 19991021
 EP 975174 P 20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
 DE FR GB NL
 EP 1003162 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1003162 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1003162 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515
 EP 1003162 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
 EP 2000103257 A 19960515
 EP 1003162 P 20000524 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P
 EP 1003162 P 20000524 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
 EP 1003162 P 20000524 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1003162 P 20000524 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000217
 EP 1003162 P 20000913 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20000725
 EP 1003162 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P
 EP 1003162 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
 VERTRAGSSTAATEN)
 DE FR GB
 EP 1003162 P 20001102 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 1003162 P 20001207 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69610859 P 20001207
 EP 1003162 P 20010207 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 DE FR GB
 EP 1003162 P 20010209 EP ET FR: TRANSLATION FILED (FR:
 TRADUCTION A ETE REMISE)
 EP 1003162 P 20011024 EP 26N NO OPPOSITION FILED (KEIN
 EINSPRUCH EINGELEGT)
 EP 1005023 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1005023 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1005023 P 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 96211304 A 19960809
 EP 1005023 P 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008
 EP 1005023 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102965 A 19961008
 EP 1005023 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P
 EP 1005023 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
 DE FR GB
 EP 1005023 P 20000531 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1005023 P 20000531 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000301
 EP 1005023 P 20001115 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
 TAKEMURA, YOSHINARI

EP 1005023	P	20010110 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20001130
EP 1005023	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
EP 1005024	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005024	P	JP 95261247 A	19951009
EP 1005024	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005024	P	JP 968910 A	19960123
EP 1005024	P	19960809 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005024	P	JP 96211304 A	19960809
EP 1005024	P	19961008 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 1005024	P	EP 96932845 A3	19961008
EP 1005024	P	19961008 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1005024	P	EP 2000102966 A	19961008
EP 1005024	P	20000531 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1005024	P	EP 802527 P	
EP 1005024	P	20000531 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
EP 1005024	P	DE FR GB	
EP 1005024	P	20000531 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005024	P	20000531 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
EP 1005024	P	20000927 EP RIN1	INVENTOR (CORRECTION) (ERFINDE (KORR.))
EP 1005024	P	OISHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI	
EP 1005024	P	20010110 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
EP 1005024	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
EP 1005024	P	DE FR GB	
EP 1005024	P	20010530 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1005024	P	EP 802527 P	
EP 1005024	P	20010530 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
EP 1005024	P	DE FR GB	
EP 1005024	P	20010530 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005024	P	20010705 EP REF	CORRESPONDS TO:
EP 1005024	P	(ENTSPRICHT)	
EP 1005024	P	DE 69613156 P	20010705
EP 1005024	P	20010720 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1005025	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005025	P	JP 95261247 A	19951009

EP 1005025 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1005025 P 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 96211304 A 19960809
 EP 1005025 P 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008
 EP 1005025 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102967 A 19961008
 EP 1005025 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P
 EP 1005025 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB
 EP 1005025 P 20000531 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1005025 P 20000531 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000301
 EP 1005025 P 20001115 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
 SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
 TAKEMURA, YOSHINARI
 EP 1005025 P 20010207 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20001227
 EP 1005025 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 DE FR GB
 EP 1005025 P 20020102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P
 EP 1005025 P 20020102 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN
 VERTRAGSSTAATEN)
 DE FR GB
 EP 1005025 P 20020102 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 1005025 P 20020228 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69618672 P 20020228
 EP 1005026 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1005026 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1005026 P 19960809 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 96211304 A 19960809
 EP 1005026 P 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008
 EP 1005026 P 19961008 EP AE EP-APPLICATION

(EUROPÄISCHE ANMELDUNG)
EP 2000102968 A 19961008

EP 1005026 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 802527 P

EP 1005026 P 20000531 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB
EP 1005026 P 20000531 EP A1 PUBLICATION OF APPLICATION
WITH SEARCH REPORT (VERÖFFENTLICHUNG DER
ANMELDUNG MIT RECHERCHENBERICHT)

EP 1005026 P 20000531 EP 17P REQUEST FOR EXAMINATION
FILED (PRÜFUNGSANTRAG GESTELLT)
20000301

EP 1005026 P 20001115 EP RIN1 INVENTOR (CORRECTION)
(ERFINDER (KORR.))
OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA,
SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ;
TAKEMURA, YOSHINARI

EP 1005026 P 20001129 EP RTI1 TITEL (CORRECTION) (TITEL
(KORR.))
OPTICAL RECORDER

EP 1005026 P 20010110 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRÜFUNGSBESCHEID)
20001130

EP 1005026 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGEBÜEHREN)
DE FR GB

EP 1005026 P 20010523 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 802527 P

EP 1005026 P 20010523 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
VERTRAGSSTAATEN)
DE FR GB

EP 1005026 P 20010523 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 1005026 P 20010628 EP REF CORRESPONDS TO:
(ENTSPRICHT)
DE 69613010 P 20010628

EP 1005026 P 20010727 EP ET FR: TRANSLATION FILED (FR:
TRADUCTION A ETE REMISE)

EP 1005027 P 19951009 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 1005027 P 19960123 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123
EP 1005027 P 19960809 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809
EP 1005027 P 19961008 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96932845 A3 19961008

EP 1005027 P 19961008 EP AE EP-APPLICATION
(EUROPÄISCHE ANMELDUNG)
EP 2000102969 A 19961008

EP 1005027 P 20000531 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 802527 P

EP 1005027 P 20000531 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITH SEARCH REPORT:

(IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

		DE FR GB
EP 1005027	P	20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005027	P	20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301
EP 1005027	P	20001115 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1005027	P	20001129 EP RTI1 TITEL (CORRECTION) (TITEL (KORR.)) OPTICAL RECORDER
EP 1005027	P	20010110 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20001130
EP 1005027	P	20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB
EP 1005027	P	20010523 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P
EP 1005027	P	20010523 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN VERTRAGSSTAATEN) DE FR GB
EP 1005027	P	20010523 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005027	P	20010628 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69613011 P 20010628
EP 1005027	P	20010727 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1005028	P	19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 95261247 A 19951009
EP 1005028	P	19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 968910 A 19960123
EP 1005028	P	19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 96211304 A 19960809
EP 1005028	P	19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 96932845 A3 19961008
EP 1005028	P	19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000102971 A 19961008
EP 1005028	P	20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P
EP 1005028	P	20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN) DE FR GB
EP 1005028	P	20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005028	P	20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301

EP 1005028	P	20001115 EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1005028	P	20001129 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20001013
EP 1005028	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB
EP 1005028	P	20011004 EP RTI1	TITLE (CORRECTION) (TITEL (KORR.)) OPTICAL RECORDER AND OPTICAL RECORDING METHOD USING ENCRYPTION
EP 1005033	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005033	P	19951009 JP 95261247 A	JP 95261247 A 19951009
EP 1005033	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005033	P	19960515 EP AA	JP 968910 A 19960123 DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 1005033	P	19960515 EP AE	EP 96915172 A3 19960515 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1005033	P	20000531 EP AC	EP 2000101774 A 19960515 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1005033	P	20000531 EP AK	EP 807929 P DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
EP 1005033	P	20000531 EP A1	DE FR GB PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005033	P	20000531 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000128
EP 1005033	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB
EP 1005033	P	20010502 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010316
EP 1005033	P	20010919 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
EP 1005033	P	20010919 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) DE FR GB
EP 1005033	P	20010919 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005033	P	20011025 EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69615418 P 20011025
EP 1005033	P	20020125 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1005034	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	JP 95261247 A 19951009

EP 1005034 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1005034 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515
 EP 1005034 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
 EP 2000101775 A 19960515
 EP 1005034 P 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
 EP 1005034 P 20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB
 EP 1005034 P 20000531 EP AX ERSTRECKUNG DES EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBÜEHREN)
 AL;LT;LV;SI
 EP 1005034 P 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1005034 P 20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 20000128
 EP 1005034 P 20000913 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
 20000725
 EP 1005034 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
 EP 1005034 P 20001102 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFÜHRTEN BENANNTEN VERTRAGSSTAATEN)
 DE FR GB
 EP 1005034 P 20001102 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
 EP 1005034 P 20001207 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69610860 P 20001207
 EP 1005034 P 20010209 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
 EP 1005034 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBÜEHREN)
 DE FR GB
 EP 1005034 P 20011024 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
 EP 1005035 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1005035 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1005035 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515
 EP 1005035 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
 EP 2000104818 A 19960515
 EP 1005035 P 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P

EP 1005035 P 20000531 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
 NL PT SE
 EP 1005035 P 20000531 EP AX ERSTRECKUNG DES
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
 BENENNUNGSGEBUEHREN)
 AL;LT;LV;SI
 EP 1005035 P 20000531 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1005035 P 20000531 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000306
 EP 1005035 P 20000913 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20000725
 EP 1005035 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P
 EP 1005035 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN
 VERTRAGSSTAATEN)
 DE FR GB
 EP 1005035 P 20001102 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 1005035 P 20001207 EP REF CORRESPONDS TO: (
 ENTSPRICHT)
 DE 69610861 P 20001207
 EP 1005035 P 20001213 IE FG4D/REG EUROPEAN PATENTS GRANTED
 DESIGNATING IRELAND
 EP 1005035 P 20010209 EP ET FR: TRANSLATION FILED (FR:
 TRADUCTION A ETE REMISE)
 EP 1005035 P 20010214 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 DE FR GB
 EP 1005035 P 20011024 EP 26N NO OPPOSITION FILED (KEIN
 EINSPRUCH EINGELEGT)
 EP 1005035 P 20020306 IE MM4A/REG PATENT LAPSED
 EP 1006516 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1006516 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1006516 P 19960515 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515
 EP 1006516 P 19960515 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 2000105014 A 19960515
 EP 1006516 P 20000607 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P
 EP 1006516 P 20000607 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB
 EP 1006516 P 20000607 EP AX ERSTRECKUNG DES
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
 BENENNUNGSGEBUEHREN)
 AL;LT;LV;SI

EP 1006516 P 20000607 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1006516 P 20000607 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000309
 EP 1006516 P 20010221 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 DE FR GB
 EP 1006516 P 20010530 EP RBV DESIGNATED CONTRACTING
 STATES (CORRECTION): (BENANNT
 VERTRAGSSTAATEN (KORR.))
 DE FR GB
 EP 1006516 P 20010613 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010427
 EP 1006516 P 20011121 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:
 EP 807929 P
 EP 1006516 P 20011121 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT
 VERTRAGSSTAATEN)
 DE FR GB
 EP 1006516 P 20011121 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)
 EP 1006516 P 20020221 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69618633 P 20020221
 EP 1006517 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1006517 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1006517 P 19960515 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515
 EP 1006517 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000106447 A 19960515
 EP 1006517 P 20000607 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:
 EP 807929 P
 EP 1006517 P 20000607 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
 DE FR GB
 EP 1006517 P 20000607 EP AX ERSTRECKUNG DES
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
 BENENNUNGSGEBUEHREN)
 AL;LT;LV;SI
 EP 1006517 P 20000607 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1006517 P 20000607 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000324
 EP 1006517 P 20010221 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 DE FR GB
 EP 1006517 P 20010718 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010605
 EP 1006517 P 20011128 EP AC DIVISIONAL APPLICATION (ART.

76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1006517 P 20011128 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
 DE FR GB

EP 1006517 P 20011128 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)

EP 1006517 P 20011205 EP RIN2 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 GOTOH, YOSHIHO, C/O MATSUSHITA ELECTRIC IND.CO.LTD ; OSHIMA, MITSUAKI, C/O MATSUSHITA ELECTRIC IND.CO.L ; TANAKA, SHINICHI, C/O MATSUSHITA ELECTRIC IND.CO.L ; KOISHI, KENJI, C/O MATSUSHITA ELECTRIC IND.CO.LTD. ; MORIYA, MITSURO, C/O MATSUSHITA ELECTRIC IND.CO.L.

EP 1006517 P 20020110 EP REF CORRESPONDS TO:
 (ENTSPRICHT)
 DE 69617478 P 20020110

EP 1024478 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009

EP 1024478 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123

EP 1024478 P 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809

EP 1024478 P 19961008 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96932845 A3 19961008

EP 1024478 P 19961008 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000102970 A 19961008

EP 1024478 P 20000802 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 802527 P

EP 1024478 P 20000802 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

DE FR GB

EP 1024478 P 20000802 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1024478 P 20000802 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 20000301

EP 1024478 P 20001115 EP RIN1 INVENTOR (CORRECTION)
 (ERFINDER (KORR.))
 OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI

EP 1024478 P 20001129 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
 20001011

EP 1024478 P 20010418 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 DE FR GB

EP 1024478 P 20011024 EP RAHF DIVISIONAL APPLICATION (ART.
 76) IN: (CORRECTION) (TEILANMELDUNG (ART.
 76) IN: (KORR.))
 EP 2001120681 A 20010903

EP 1024478 P 20020102 EP AH DIVISIONAL APPLICATION (ART.

76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 1028422 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009

EP 1028422 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123

EP 1028422 P 19960515 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515

EP 1028422 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
 EP 2000109898 A 19960515

EP 1028422 P 20000816 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1028422 P 20000816 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
 EP 1028422 P 20000816 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1028422 P 20000816 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 20000510

EP 1028422 P 20010502 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 DE FR GB

EP 1028422 P 20010704 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
 20010516

EP 1028423 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009

EP 1028423 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123 DIVIDED OUT OF (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515

EP 1028423 P 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
 EP 2000109899 A 19960515

EP 1028423 P 20000816 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P

EP 1028423 P 20000816 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE FR GB
 EP 1028423 P 20000816 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1028423 P 20000816 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
 20000510

EP 1028423 P 20001227 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
 20001113

EP 1028423 P 20010502 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)

DE FR GB
 EP 1030297 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1030297 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1030297 P 19960515 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515
 EP 1030297 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000110461 A 19960515
 EP 1030297 P 20000823 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P
 EP 1030297 P 20000823 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB
 EP 1030297 P 20000823 EP AX ERSTRECKUNG DES
 EUROPÄISCHEN PATENTS AUF (ZAHLUNG VON
 BENENNUNGSGEBÜEHREN)
 AL;LT;LV;SI
 EP 1030297 P 20000823 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VERÖFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1030297 P 20000823 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000519
 EP 1030297 P 20010418 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010302
 EP 1030297 P 20010509 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBÜEHREN)
 DE FR GB
 EP 1031974 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1031974 P 19960123 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 968910 A 19960123
 EP 1031974 P 19960515 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 96915172 A3 19960515
 EP 1031974 P 19960515 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000112310 A 19960515
 EP 1031974 P 20000830 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 807929 P
 EP 1031974 P 20000830 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITH SEARCH REPORT:
 (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
 DE FR GB
 EP 1031974 P 20000830 EP A1 PUBLICATION OF APPLICATION
 WITH SEARCH REPORT (VERÖFFENTLICHUNG DER
 ANMELDUNG MIT RECHERCHENBERICHT)
 EP 1031974 P 20000830 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000608
 EP 1031974 P 20001227 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)

20001113

EP 1031974 P 20010516 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGEBUEHREN)
DE FR GB

EP 1031974 P 20010816 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 807929 P

EP 1031974 P 20010816 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
VERTRAGSSTAATEN)
DE FR GB

EP 1031974 P 20010816 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 1031974 P 20010920 EP REF CORRESPONDS TO:
(ENTSPRICHT)
DE 69614580 P 20010920

EP 1031974 P 20011228 EP ET FR: TRANSLATION FILED (FR:
TRADUCTION A ETE REMISE)

EP 1035693 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1035693 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035693 P 19930510 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1035693 P 19930924 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1035693 P 19930924 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114572 A 19930924

EP 1035693 P 20000913 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1035693 P 20000913 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035693 P 20000913 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035693 P 20001011 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000714

EP 1035693 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035693 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1035693 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGEBUEHREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035693 P 20010919 EP 17Q FIRST EXAMINATION REPORT

(ERSTER PRUEFUNGSBESCHEID)
20010806

EP 1035694 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1035694 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325
EP 1035694 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510
EP 1035694 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924
EP 1035694 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114573 A 19930924
EP 1035694 P 20000913 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P
EP 1035694 P 20000913 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035694 P 20000913 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035694 P 20001011 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20000714
EP 1035694 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035694 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1035694 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B

EP 1035694 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035694 P 20010919 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
20010806

EP 1035695 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1035695 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325
EP 1035695 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1035695 P 19930924 JP 93132984 A 19930510
 DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93307575 A3 19930924
 EP 19930924 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114575 A 19930924
 EP 20000913 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 589709 P
 EP 1035695 P 20000913 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1035695 P 20000913 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1035695 P 20001011 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000714
 EP 1035695 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1035695 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1035695 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
 7/24 B
 EP 1035695 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1035695 P 20010919 EP 17Q FIRST EXAMINATION REPORT (ART.
 ERSTER PRUEFUNGSBESCHEID)
 20010806
 EP 1035696 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1035696 P 19930325 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9366461 A 19930325
 EP 1035696 P 19930510 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 93132984 A 19930510
 EP 1035696 P 19930924 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93307575 A3 19930924
 EP 19930924 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114577 A 19930924
 EP 20000913 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 589709 P
 EP 1035696 P 20000913 EP AK DESIGNATED CONTRACTING

STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1035696 P 20000913 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035696 P 20001011 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000714

EP 1035696 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1035696 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))

EP 1035696 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
 7/24 B

EP 1035696 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1035696 P 20010919 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010806

EP 1035697 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925

EP 1035697 P 19930325 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035697 P 19930510 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1035697 P 19930924 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93307575 A3 19930924

EP 1035697 P 19930924 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114578 A 19930924

EP 1035697 P 20000913 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 589709 P

EP 1035697 P 20000913 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1035697 P 20000913 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035697 P 20001011 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000714

EP 1035697 P 20001206 EP AK DESIGNATED CONTRACTING

STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035697 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1035697 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
7/24 B

EP 1035697 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGEBUEHREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035697 P 20010919 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20010806

EP 1035698 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1035698 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1035698 P 19930510 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1035698 P 19930924 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1035698 P 19930924 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114579 A 19930924

EP 1035698 P 20000913 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1035698 P 20000913 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035698 P 20000913 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1035698 P 20001011 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000714

EP 1035698 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035698 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1035698 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26

B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
7/24 B

EP 1035698 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGBEUREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1035698 P 20010919 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20010806

EP 1039672 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039672 P 19930325 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325

EP 1039672 P 19930510 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510

EP 1039672 P 19930924 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1039672 P 19930924 EP AE EP-APPLICATION
(EUROPAEISCHE ANMELDUNG)
EP 2000114576 A 19930924

EP 1039672 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 589709 P

EP 1039672 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039672 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039672 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039672 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039672 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039672 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26
B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N
7/24 B

EP 1039672 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGBEUREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039672 P 20010919 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20010806

EP 1039673 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1039673 P JP 9267934 A 19920326
 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1039673 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039673 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114689 A 19930326
 EP 1039673 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039673 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039673 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039673 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039673 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039673 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1039673 P 20010530 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010412
 EP 1039673 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039673 P 20010919 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B
 EP 1039674 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1039674 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1039674 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039674 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114690 A 19930326
 EP 1039674 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039674 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE

RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039674	P	20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039674	P	20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039674	P	20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039674	P	20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039674	P	20010530 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010412
EP 1039674	P	20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039674	P	20010919 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039674	P	20010926 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039674	P	20010926 EP RTI1 TITLE (CORRECTION) (TITEL (KORR.)) MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS
EP 1039675	P	19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039675	P	JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039675	P	19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 93302369 A3 19930326
EP 1039675	P	19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114692 A 19930326
EP 1039675	P	20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039675	P	20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039675	P	20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039675	P	20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)

EP 1039675 P 20000712 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039675 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1039675 P 20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
20010302

EP 1039675 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039675 P 20020306 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P

EP 1039675 P 20020306 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039675 P 20020306 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)

EP 1039675 P 20020306 EP REF IN AUSTRIA REGISTERED AS:
(IN AT EINGETRAGEN ALS:)
AT 214214 R 20020315

EP 1039675 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)

EP 1039676 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039676 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039676 P 19930326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1039676 P 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114694 A 19930326

EP 1039676 P 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P

EP 1039676 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039676 P 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039676 P 20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039676 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039676 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))

EP 1039676 P 20010530 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010412

EP 1039676 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039676 P 20010919 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B

EP 1039677 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039677 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925

EP 1039677 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326

EP 1039677 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114696 A 19930326

EP 1039677 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P

EP 1039677 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039677 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039677 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712

EP 1039677 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039677 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))

EP 1039677 P 20010530 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010412

EP 1039677 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039677 P 20010919 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B

EP 1039678 P 19920326 EP AA PRIORITY (PATENT

APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1039678 P JP 9267934 A 19920326
 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
 EP 1039678 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039678 P 19930326 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 2000114697 A 19930326
 EP 1039678 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039678 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039678 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039678 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039678 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039678 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1039678 P 20010530 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010412
 EP 1039678 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBÜEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039678 P 20010919 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B
 EP 1039679 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1039679 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1039679 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039679 P 19930326 EP AE EP-APPLICATION
 (EUROPÄISCHE ANMELDUNG)
 EP 2000114698 A 19930326
 EP 1039679 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039679 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH

REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039679 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039679 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039679 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039679 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1039679 P 20010530 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20010412

EP 1039679 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGEBUEHREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039679 P 20010919 EP RIC1 CLASSIFICATION (CORRECTION)
(KLASSIFIKATION (KORR.))
7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
B, 7H 04L 27/26 B, 7H 04L 27/34 B

EP 1039680 P 19920326 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039680 P 19920925 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039680 P 19930326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 93302369 A3 19930326

EP 1039680 P 19930326 EP AE EP-APPLICATION (EP-APPLICATION)
(EUROPAEISCHE ANMELDUNG)
EP 2000114699 A 19930326

EP 1039680 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1039680 P 20000927 EP AK DESIGNATED CONTRACTING
STATES IN AN APPLICATION WITHOUT SEARCH
REPORT: (IN EINER ANMELDUNG OHNE
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039680 P 20000927 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039680 P 20000927 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1039680 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1039680 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1039680 P 20010418 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010302
 EP 1039680 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039680 P 20020306 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039680 P 20020306 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN
 VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039680 P 20020306 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
 EP 1039680 P 20020306 EP REF IN AUSTRIA REGISTERED AS:
 (IN AT EINGETRAGEN ALS:)
 AT 214215 R 20020315
 EP 1039680 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE
 (EINTRITT IN DIE NATIONALE PHASE)
 EP 1039681 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1039681 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1039681 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1039681 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114701 A 19930326
 EP 1039681 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1039681 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039681 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1039681 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1039681 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1039681 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1039681 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION)

(KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04N
 7/24 B

EP 1039681 P 20010530 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010412

EP 1039681 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039681 P 20010919 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B

EP 1039682 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9267934 A 19920326

EP 1039682 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925

EP 1039682 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326

EP 1039682 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114702 A 19930326

EP 1039682 P 20000927 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P

EP 1039682 P 20000927 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039682 P 20000927 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1039682 P 20000927 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712

EP 1039682 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039682 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))

EP 1039682 P 20010418 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010302

EP 1039682 P 20010704 EP RTI1 TITEL (CORRECTION) (TITEL
 (KORR.))
 MULTIRESOLUTION TRANSMISSION, IN PARTICULAR
 WITH MULTICARRIER SIGNALS

EP 1039682 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039682 P 20020306 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 1039682 P EP 562875 P
 20020306 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN
 VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1039682 P 20020306 EP B1 PATENT SPECIFICATION
 (PATENTSCHRIFT)

EP 1039682 P 20020306 EP REF IN AUSTRIA REGISTERED AS:
 (IN AT EINGETRAGEN ALS:)
 AT 214216 R 20020315

EP 1039682 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE
 (EINTRITT IN DIE NATIONALE PHASE)

EP 1045541 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1045541 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1045541 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326

EP 1045541 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114700 A 19930326

EP 1045541 P 20001018 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P

EP 1045541 P 20001018 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1045541 P 20001018 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1045541 P 20001018 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712

EP 1045541 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1045541 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))

EP 1045541 P 20010418 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010302

EP 1045541 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE

EP 1045541 P 20020306 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P

EP 1045541 P 20020306 EP AK DESIGNATED CONTRACTING
 STATES MENTIONED IN A PATENT SPECIFICATION:
 (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN
 VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1045541 P 20020306 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 1045541 P 20020306 EP REF IN AUSTRIA REGISTERED AS:
(IN AT EINGETRAGEN ALS:) AT 214217 R 20020315

EP 1045541 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE
(EINTRITT IN DIE NATIONALE PHASE)

EP 1049282 P 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 92256070 A 19920925
EP 1049282 P 19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9366461 A 19930325
EP 1049282 P 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 93132984 A 19930510
EP 1049282 P 19930924 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 93307575 A3 19930924

EP 1049282 P 19930924 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2000114574 A 19930924

EP 1049282 P 20001102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P

EP 1049282 P 20001102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049282 P 20001102 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049282 P 20001102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712

EP 1049282 P 20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049282 P 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 1049282 P 20001206 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B

EP 1049282 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049282 P 20010919 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
20010806

EP 1049283 P 19920326 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1049283 P JP 9267934 A 19920326
 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1049283 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1049283 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114693 A 19930326
 EP 1049283 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1049283 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1049283 P 20001102 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1049283 P 20001102 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20000712
 EP 1049283 P 20001206 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1049283 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1049283 P 20010530 EP 17Q FIRST EXAMINATION REPORT
 (ERSTER PRUEFUNGSBESCHEID)
 20010412
 EP 1049283 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
 (ZAHLUNG VON BENENNUNGSGEBUEHREN)
 AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
 PT SE
 EP 1049283 P 20010919 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18
 B, 7H 04L 27/26 B, 7H 04L 27/34 B
 EP 1049284 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1049284 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1049284 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1049284 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2000114693 A 19930326
 EP 1049284 P 20001102 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 562875 P
 EP 1049284 P 20001102 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE

RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049284 P 20001102 EP A2 PUBLICATION OF APPLICATION
WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1049284 P 20001102 EP 17P REQUEST FOR EXAMINATION
FILED (PRUEFUNGSANTRAG GESTELLT)
20000712

EP 1049284 P 20001206 EP AK DESIGNATED CONTRACTING
STATES IN A SEARCH REPORT: (IN EINEM
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049284 P 20001206 EP A3 SEPARATE PUBLICATION OF THE
SEARCH REPORT (ART. 93) (GESONDERTE
VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
(ART. 93))

EP 1049284 P 20010418 EP 17Q FIRST EXAMINATION REPORT
(ERSTER PRUEFUNGSBESCHEID)
20010302

EP 1049284 P 20010822 EP AKX PAYMENT OF DESIGNATION FEES
(ZAHLUNG VON BENENNUNGSGEBUEHREN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049284 P 20020306 EP AC DIVISIONAL APPLICATION (ART.
76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 562875 P

EP 1049284 P 20020306 EP AK DESIGNATED CONTRACTING
STATES MENTIONED IN A PATENT SPECIFICATION:
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE
VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1049284 P 20020306 EP B1 PATENT SPECIFICATION
(PATENTSCHRIFT)

EP 1049284 P 20020306 EP REF IN AUSTRIA REGISTERED AS:
(IN AT EINGETRAGEN ALS:)
AT 214218 R 20020315

EP 1049284 P 20020315 CH EP/REG ENTRY IN THE NATIONAL PHASE
(EINTRITT IN DIE NATIONALE PHASE)

EP 1049334 P 19910327 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9162798 A 19910327

EP 1049334 P 19910425 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))
JP 9195813 A 19910425

EP 1049334 P 19910529 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91155650 A 19910529

EP 1049334 P 19910723 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 91182236 A 19910723

EP 1049334 P 19920317 EP AA PRIORITY (PATENT
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9260739 A 19920317

EP 1049334 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 92302627 A3 19920326

EP 1049334 P 19920326 EP AA DIVIDED OUT OF
(AUSSCHEIDUNG AUS)
EP 96119060 A3 19920326

EP 1049334	P	19920326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1049334	P	20001102 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1049334	P	20001102 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1049334	P	20001102 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)
EP 1049334	P	20001102 EP A1	DE FR GB NL PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1049334	P	20001102 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000715
EP 1049334	P	20001220 EP K1C1	CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN) 20001102
EP 1049334	P	20001220 EP RPR1	PRIORITY (CORRECTION) (PRIORITAET (KORR.)) JP 19910327 6279891 ; JP 19910425 9581391 ; JP 19910529 15565091 ; JP 19910723 18223691 ; JP 19920317 6073992
EP 1049334	P	20010718 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
EP 1050879	P	19930727 EP AA	DE FR GB NL PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1050879	P	19931102 EP AA	JP 93205682 A 19930727 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1050879	P	19931119 EP AA	JP 93297504 A 19931102 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1050879	P	19940418 EP AA	JP 93314114 A 19931119 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1050879	P	19940707 EP AA	JP 94104879 A 19940418 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1050879	P	19940727 EP AA	JP 94156089 A 19940707 DIVIDED OUT OF (AUSSCHEIDUNG AUS) EP 94305557 A3 19940727
EP 1050879	P	19940727 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1050879	P	20001108 EP AC	EP 2000115017 A 19940727 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1050879	P	20001108 EP AK	EP 637016 P DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTEN VERTRAGSSTAATEN)

BE CH DE FR GB IT LI NL

EP 1050879 P 20001108 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1120777 P 19941117 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 94283415 A 19941117
 EP 1120777 P 19950202 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9516153 A 19950202
 EP 1120777 P 19951009 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 95261247 A 19951009
 EP 1120777 P 19951116 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 95938017 A3 19951116
 EP 1120777 P 19951116 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2001108949 A 19951116
 EP 1120777 P 20010801 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
 EP 741382 P
 EP 1120777 P 20010801 EP AK DESIGNATED CONTRACTING
 STATES IN AN APPLICATION WITHOUT SEARCH
 REPORT: (IN EINER ANMELDUNG OHNE
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 DE FR GB
 EP 1120777 P 20010801 EP A2 PUBLICATION OF APPLICATION
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
 ANMELDUNG OHNE RECHERCHENBERICHT)
 EP 1120777 P 20010801 EP 17P REQUEST FOR EXAMINATION
 FILED (PRUEFUNGSANTRAG GESTELLT)
 20010410
 EP 1120777 P 20011010 EP AK DESIGNATED CONTRACTING
 STATES IN A SEARCH REPORT: (IN EINEM
 RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
 DE FR GB
 EP 1120777 P 20011010 EP A3 SEPARATE PUBLICATION OF THE
 SEARCH REPORT (ART. 93) (GESONDERTE
 VEROEFFENTLICHUNG DES RECHERCHENBERICHTS
 (ART. 93))
 EP 1120777 P 20011010 EP RIC1 CLASSIFICATION (CORRECTION)
 (KLASSIFIKATION (KORR.))
 7G 11B 20/00 A, 7G 06F 1/00 B, 7G 11B 7/00 B,
 7G 11B 27/30 B, 7G 11B 23/28 B, 7G 11B 13/04
 B, 7G 11B 11/105 B, 7G 11B 19/02 B, 7G 11B
 19/12 B, 7G 11B 7/007 B, 7G 11B 7/26 B, 7G
 11B 20/12 B, 7G 11B 27/10 B
 EP 1154608 P 19920326 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 9267934 A 19920326
 EP 1154608 P 19920925 EP AA PRIORITY (PATENT
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))
 JP 92256070 A 19920925
 EP 1154608 P 19930326 EP AA DIVIDED OUT OF
 (AUSSCHEIDUNG AUS)
 EP 93302369 A3 19930326
 EP 1154608 P 19930326 EP AE EP-APPLICATION
 (EUROPAEISCHE ANMELDUNG)
 EP 2001118510 A 19930326
 EP 1154608 P 20011114 EP AC DIVISIONAL APPLICATION (ART.
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)

EP 562875 P

EP 1154608 P 20011114 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE

EP 1154608 P 20011114 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1168328 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 95261247 A 19951009
EP 1168328 P 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 968910 A 19960123
EP 1168328 P 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 96211304 A 19960809
EP 1168328 P 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 96932845 A3 19961008

EP 1168328 P 19961008 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 2000102970 A3 19961008

EP 1168328 P 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2001120681 A 19961008

EP 1168328 P 20020102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P

EP 1168328 P 20020102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 1024478 P

EP 1168328 P 20020102 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

DE FR GB
EP 1168328 P 20020102 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1168328 P 20020102 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20010919

JAPAN (JP)

Patent (No,Kind,Date): JP 5250756 A2 19930928
RECODER/REPRODUCER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9250328 A 19920309
Applic (No,Kind,Date): JP 9250328 A 19920309
IPC: * G11B-013/04; G11B-013/00
JAPIO Reference No: ; 180014P000119
Language of Document: Japanese
Patent (No,Kind,Date): JP 5307788 A2 19931119
RECORDING AND REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 92111176 A 19920430
Applic (No,Kind,Date): JP 92111176 A 19920430
IPC: * G11B-013/04; G11B-013/00
JAPIO Reference No: ; 180121P000165

Language of Document: Japanese
Patent (No,Kind,Date): JP 5327807 A2 19931210
TRANSMITTER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9162798 A1 19910327; JP 9195813 A1
19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP
9260739 A1 19920317
Applie (No,Kind,Date): JP 9268935 A 19920327
IPC: * H04L-027/36; H04J-003/00; H04J-011/00; H04L-027/38; H04N-007/00
; H04N-007/13; H04N-007/20
JAPIO Reference No: ; 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 6036387 A2 19940210
RECORDING/REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 92194450 A 19920722
Applie (No,Kind,Date): JP 92194450 A 19920722
IPC: * G11B-013/04; G11B-013/00
JAPIO Reference No: ; 180264P000063
Language of Document: Japanese
Patent (No,Kind,Date): JP 6164665 A2 19940610
TRANSMITTER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): JP 9368545 A 19930326
IPC: * H04L-027/36; H04L-027/38; H04L-027/00; H04N-005/40; H04N-007/00
; H04N-007/20; H04N-011/04
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144; 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 6180888 A2 19940628
RECORDING AND REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9334656 A 19930128; JP 9213809 A
19920129; JP 9268031 A 19920326; JP 92280874 A 19920925
Applie (No,Kind,Date): JP 9334656 A 19930128
IPC: * G11B-013/00; G11B-013/04; G11B-011/10
Derwent WPI Acc No: * G 93-251292; G 93-313529
JAPIO Reference No: * 180522P000136; 180522P000136
Language of Document: Japanese
Patent (No,Kind,Date): JP 6231509 A2 19940819
RECORDING/REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO
; SHIMIZU RYOSUKE
Priority (No,Kind,Date): JP 9363428 A 19930226; JP 9242558 A
19920228; JP 92282666 A 19921021; JP 92331300 A 19921211
Applie (No,Kind,Date): JP 9363428 A 19930226
IPC: * G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00;
G11B-023/40
Derwent WPI Acc No: * G 93-251292; G 93-313529
JAPIO Reference No: * 180618P000070; 180618P000070
Language of Document: Japanese
Patent (No,Kind,Date): JP 6231510 A2 19940819
RECORDING/REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO
; SHIMIZU RYOSUKE
Priority (No,Kind,Date): JP 9392247 A 19930326; JP 9268031 A
19920326; JP 92280874 A 19920925; JP 92282666 A 19921021; JP
92331300 A 19921211
Applie (No,Kind,Date): JP 9392247 A 19930326
IPC: * G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00;

G11B-023/40

Derwent WPI Acc No: * G 93-251292; G 93-313529

JAPIO Reference No: * 180522P000136; 180618P000070; 180618P000070

Language of Document: Japanese

Patent (No,Kind,Date): JP 7093962 A2 19950407

INFORMATION RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; TAN SATOSHI; KUWAMOTO MAKOTO

Priority (No,Kind,Date): JP 93300723 A 19931201; JP 92321063 A 19921201; JP 938596 A 19930121; JP 93205682 A 19930727

Applic (No,Kind,Date): JP 93300723 A 19931201

IPC: * G11B-033/02; G11B-017/04; G11B-025/10

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722

Language of Document: Japanese

Patent (No,Kind,Date): JP 7099522 A2 19950411

TRANSMITTER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applic (No,Kind,Date): JP 93261611 A 19930924

IPC: * H04L-027/34; H04B-001/66; H04B-014/04

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 7235097 A2 19950905

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO; YOSHIURA TSUKASA

Priority (No,Kind,Date): JP 93351425 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227

Applic (No,Kind,Date): JP 93351425 A 19931228

IPC: * G11B-013/04; G11B-005/02

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 94-342258; G 95-116722; G 95-341616

Language of Document: Japanese

Patent (No,Kind,Date): JP 7235098 A2 19950905

INFORMATION RECORDING MEDIUM AND ITS MANUFACTURE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI

Priority (No,Kind,Date): JP 93351426 A 19931228; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 9391011 A 19930419; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227

Applic (No,Kind,Date): JP 93351426 A 19931228

IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/40

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 95-341616

Language of Document: Japanese

Patent (No,Kind,Date): JP 7235099 A2 19950905

RECORDING AND REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO; YOSHIURA TSUKASA; KAMIKADO TOSHIKAZU; TAN SATOSHI

Priority (No,Kind,Date): JP 9422135 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP 93333403 A 19931227; JP 93349972 A 19931227

Applic (No,Kind,Date): JP 9422135 A 19940121

IPC: * G11B-013/04; G11B-020/12; G11B-020/18

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G

94-250560; G 94-342258; G 95-116722; G 95-341616
Language of Document: Japanese
Patent (No,Kind,Date): JP 7249227 A2 19950926
RECORDING AND REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 94195853 A 19940727; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93349972 A 19931227; JP 9422191 A 19940120
Applic (No,Kind,Date): JP 94195853 A 19940727
IPC: * G11B-007/00; G11B-007/007; G11B-013/04
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451
Language of Document: Japanese
Patent (No,Kind,Date): JP 7264148 A2 19951013
TRANSMITTER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9479668 A 19940324
Applic (No,Kind,Date): JP 9479668 A 19940324
IPC: * H04H-001/00; H04N-007/01; H04N-007/24
Derwent WPI Acc No: * G 95-387959; G 95-387959
Language of Document: Japanese
Patent (No,Kind,Date): JP 7320333 A2 19951208
RECORDING/REPRODUCING APPARATUS AND RECORDING MEDIUM AND ITS MANUFACTURE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI
Priority (No,Kind,Date): JP 9422158 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227
Applic (No,Kind,Date): JP 9422158 A 19940121
IPC: * G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/30
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 96-062972; G 96-062972
Language of Document: Japanese
Patent (No,Kind,Date): JP 7322219 A2 19951208
TRANSMITTER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
Applic (No,Kind,Date): JP 9479432 A 19940325
IPC: * H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
Language of Document: Japanese
Patent (No,Kind,Date): JP 8212560 A2 19960820
OPTICAL RECORDING MEDIUM AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): UENO FUMIAKI; OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 94327805 A 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202
Applic (No,Kind,Date): JP 94327805 A 19941228
IPC: * G11B-007/007; B41M-005/26; G11B-007/00; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939
Language of Document: Japanese
Patent (No,Kind,Date): JP 8212681 A2 19960820
RECORDING/REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9516865 A 19950203
Applic (No,Kind,Date): JP 9516865 A 19950203
IPC: * G11B-019/04; G11B-007/00; G11B-013/04; G11B-019/02; G11B-020/10
Derwent WPI Acc No: * G 95-373939

Language of Document: Japanese
Patent (No,Kind,Date): JP 8273164 A2 19961018
RECORDING AND REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOY YOSHITOSHI
Priority (No,Kind,Date): JP 9592116 A 19950418; JP 94104879 A
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
9515318 A 19950201; JP 9516153 A 19950202
Applic (No,Kind,Date): JP 9592116 A 19950418
IPC: * G11B-007/00; G11B-007/007; G11B-007/24; G11B-007/26;
G11B-013/04; G11B-019/04; G11B-020/10
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
96-268785; G 01-018026
Language of Document: Japanese
Patent (No,Kind,Date): JP 10233019 A2 19980902
OPTICAL DISK, OPTICAL DISK MANUFACTURING DEVICE AND OPTICAL DISK
REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): KONISHI SHINICHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; GOTOY YOSHITOSHI; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 979318 A 19970122; JP 968110 A
19960122; JP 968910 A 19960123; JP 96339304 A 19961219; JP
96211304 A 19960809
Applic (No,Kind,Date): JP 979318 A 19970122
IPC: * G11B-007/00; G11B-007/007; G11B-007/24; G11B-020/10
Derwent WPI Acc No: * G 97-236117; G 97-236119; G 98-363034
Language of Document: Japanese
Patent (No,Kind,Date): JP 11162031 A2 19990618
OPTICAL DISK, METHOD FOR RECORDING/REPRODUCING OPTICAL DISK DRAW
INFORMATION, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK
RECORDING/REPRODUCING DEVICE, OPTICAL DISK DRAW INFORMATION RECORDER
AND OPTICAL DISK RECORDER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): MIYATAKE NORIO; MURAKAMI MOTOYOSHI; OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 97351243 A 19971219; JP 96339304 A
19961219; JP 97259110 A 19970924
Applic (No,Kind,Date): JP 97351243 A 19971219
IPC: * G11B-011/10; G11B-007/00; G11B-007/007; G11B-007/24;
G11B-013/00; G11B-020/10
Derwent WPI Acc No: * G 98-363034
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032074 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169243 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032075 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND
RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169244 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
H04N-007/20

Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032076 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169245 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032077 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169246 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032078 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169247 A 19990616
IPC: * H04L-027/36; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000032079 A2 20000128
TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169248 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076659 A2 20000314
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99257252 A 19990910
IPC: * G11B-007/007; G11B-019/04; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076662 A2 20000314
OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK AND MANUFACTURE OF
OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99257248 A 19990910
IPC: * G11B-007/085; G11B-007/004; G11B-007/24; G11B-019/04;
G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076705 A2 20000314
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99257245 A 19990910
IPC: * G11B-007/24; G11B-019/04; G11B-020/10; G11B-027/28
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000076791 A2 20000314
OPTICAL DISK, OPTICAL DISK RECORDING METHOD AND OPTICAL DISK
REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 99257247 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99257247 A 19990910
IPC: * G11B-020/10; G11B-007/007; G11B-020/12; G11B-020/18
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000078222 A2 20000314
TRANSMITTER, RECEIVER, TRANSMITTING DEVICE, TRANSMISSION METHOD AND
RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99200091 A 19990714; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99200091 A 19990714
IPC: * H04L-027/34; H04J-003/00; H04J-015/00; H04L-027/36; H04L-027/38
; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106579 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A

19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99289582 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106580 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99289583 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106581 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99289584 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106582 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99289585 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000106583 A2 20000411
TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99289586 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000149423 A2 20000530
REPRODUCER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 99373897 A 19961008; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373897 A 19961008
IPC: * G11B-020/10; G11B-007/005
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000156037 A2 20000606
RECORDING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373901 A 19991228
IPC: * G11B-020/10; G11B-007/0045; G11B-007/24
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000173062 A2 20000623
OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 99373902 A 19960810; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373902 A 19960810
IPC: * G11B-007/007; G06F-012/14; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000173063 A2 20000623
OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99375208 A 19991228
IPC: * G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000173179 A2 20000623
REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373898 A 19991228
IPC: * G11B-020/10; G06F-012/14; G11B-007/005
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000215603 A2 20000804
RECORDING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373896 A 19991228
IPC: * G11B-020/10; G11B-007/0045; G11B-019/04
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2000222729 A2 20000811
MARKING PRODUCING DEVICE, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK
MANUFACTURING METHOD AND OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;

KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257251 A 19990910
IPC: * G11B-007/004; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222739 A2 20000811
OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257250 A 19990910
IPC: * G11B-007/005; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222743 A2 20000811
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99375209 A 19991228
IPC: * G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;
G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222782 A2 20000811
OPTICAL DISK, OPTICAL DISK RECORDER AND OPTICAL DISK REPRODUCING DEVICE
(English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257246 A 19990910
IPC: * G11B-007/24; G11B-007/004; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000222783 A2 20000811
OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257249 A 19990910
IPC: * G11B-007/24; G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000228016 A2 20000815
OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 99373899 A 19960810; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373899 A 19960810
IPC: * G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10;
G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000228062 A2 20000815
RECODER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; GOTOY YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123; JP 96211304 A 19960809
Applie (No,Kind,Date): JP 99373900 A 19991228
IPC: * G11B-020/10; G06K-019/06; G06K-019/04; G11B-007/0045
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000299677 A2 20001024
TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM, TRANSMITTING METHOD AND
RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 200085410 A 20000324; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): JP 200085410 A 20000324
IPC: * H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02
; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46;
H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000312195 A2 20001107
SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE, SENDING METHOD
AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 200085407 A 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): JP 200085407 A 19930326
IPC: * H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02
; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46;
H04N-005/78; H04N-005/7826; H04N-005/92; H04N-007/00; H04H-001/00;
H04N-007/24; H04N-007/20
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000312196 A2 20001107
TRANSMITTER, RECEIVER AND TRANSMISSION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 200085408 A 19930326; JP 9267934 A
19920326; JP 92256070 A 19920925
Applie (No,Kind,Date): JP 200085408 A 19930326
IPC: * H04J-011/00; H04J-003/00; H04L-027/34; H04N-005/38;
H04N-005/445; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2000312197 A2 20001107
SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE, TRANSMISSION
METHOD AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 200085409 A 20000324; JP 9267934 A
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): JP 200085409 A 20000324
IPC: * H04J-011/00; H04B-014/04; H04J-003/00; H04L-001/00; H04L-027/34;
; H04L-027/02; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44;
H04N-007/20; H04H-001/00

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000312198 A2 20001107
SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE AND TRANSMISSION
METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 200095800 A 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applic (No,Kind,Date): JP 200095800 A 19930924
IPC: * H04J-011/00; H04L-027/34; H04N-005/40; H04N-005/44; H04N-007/00
; H04N-007/20

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000315992 A2 20001114
TRANSMITTER AND RECEIVER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925

Applic (No,Kind,Date): JP 200085411 A 20000101
IPC: * H04J-011/00; H04L-001/00; H04L-027/00; H04N-005/40;
H04N-005/455; H04N-007/24; H04N-007/30

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;
G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000324083 A2 20001124
TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM AND TRANSMISSION METHOD
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 200095801 A 19930924; JP 92256070 A
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applic (No,Kind,Date): JP 200095801 A 19930924
IPC: * H04J-011/00; H04L-027/36; H04L-027/38; H04N-007/08;
H04N-007/081; H04N-007/20

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;
G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: Japanese

Patent (No,Kind,Date): JP 2001093159 A2 20010406
OPTICAL DISK AND OPTICAL DISK PLAYER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
MORIYA MITSURO; KOISHI KENJI
Priority (No,Kind,Date): JP 2000271625 A 20000907; JP 95261247 A
19951009; JP 968910 A 19960123

Applie (No,Kind,Date): JP 2000271625 A 20000907
IPC: * G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001101668 A2 20010413
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 2000275439 A 20000911; JP 95261247 A
19951009; JP 968910 A 19960123

Applie (No,Kind,Date): JP 2000275439 A 20000911
IPC: * G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001101669 A2 20010413
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
KOISHI KENJI; MORIYA MITSURO
Priority (No,Kind,Date): JP 2000275440 A 20000911; JP 95261247 A
19951009; JP 968910 A 19960123

Applie (No,Kind,Date): JP 2000275440 A 20000911
IPC: * G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001110062 A2 20010420
OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;
MORIYA MITSURO; KOISHI KENJI
Priority (No,Kind,Date): JP 2000271624 A 19960515; JP 95261247 A
19951009; JP 968910 A 19960123

Applie (No,Kind,Date): JP 2000271624 A 19960515
IPC: * G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001160833 A2 20010612
RECEIVER AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000296301 A 20000928; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317

Applie (No,Kind,Date): JP 2000296301 A 20000928
IPC: * H04L-027/00; H04B-001/16; H04L-027/38; H04N-007/24
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001160838 A2 20010612
RECEIVER AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000296300 A 20000928; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317

Applie (No,Kind,Date): JP 2000296300 A 20000928
IPC: * H04L-027/34; H04J-003/00; H04N-005/40
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001211138 A2 20010803
TRANSMISSION DEVICE AND RECEPTION DEVICE (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000375627 A 20001211; JP 9267934 A 19920326; JP 92256070 A 19920925
Applc (No,Kind,Date): JP 2000375627 A 20001211
IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44 ; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2001217804 A2 20010810
SENDER, RECEIVER, TRANSMITTER, SENDING METHOD AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383210 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): JP 2000383210 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40; H04N-005/455; H04N-005/46; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2001217805 A2 20010810
TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383257 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): JP 2000383257 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44 ; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2001217806 A2 20010810
TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383303 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): JP 2000383303 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/44; H04N-007/015; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 2001217807 A2 20010810
TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383395 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383395 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40; H04N-005/455; H04N-005/46; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001217808 A2 20010810
TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383425 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383425 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40; H04N-005/455; H04N-005/46; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001217809 A2 20010810
TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383459 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383459 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/00; H04L-027/18; H04N-005/40 ; H04N-005/455; H04N-005/46; H04N-007/24; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001217810 A2 20010810
TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION DEVICE AND RECEIVING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383489 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383489 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/00; H04L-027/18; H04N-005/40 ; H04N-005/455; H04N-005/46; H04N-007/24; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001217811 A2 20010810
TRANSMITTER AND RECEIVER (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 2000383523 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383523 A 20001218
IPC: * H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40;
H04N-005/445; H04N-005/46; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001217890 A2 20010810
RECEIVER AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000381901 A 20001215; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 2000381901 A 20001215
IPC: * H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: Japanese

Patent (No,Kind,Date): JP 2001223669 A2 20010817
TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM, TRANSMISSION METHOD AND RECEPTION METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OSHIMA MITSUAKI
Priority (No,Kind,Date): JP 2000383341 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383341 A 20001218
IPC: * H04J-011/00; H04H-001/00; H04L-027/34; H04L-027/18; H04N-007/08 ; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 2002057650 A2 20020222
Priority (No,Kind,Date): JP 2001173882 A 20010608; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): JP 2001173882 A 20010608
IPC: * H04J-011/00; H04L-027/38; H04N-005/40; H04N-005/44; H04N-005/455; H04N-007/08; H04N-007/081; H04N-007/24
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 3008651 B2 20000214
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9268935 A 19920327; JP 9162798 A1 19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP 9260739 A1 19920317
Applic (No,Kind,Date): JP 9268935 A 19920327
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20; H04N-007/24
Language of Document: Japanese

Patent (No,Kind,Date): JP 3042780 B2 20000522
Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A

19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257245 A 19990910
IPC: * G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/24;
G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3042781 B2 20000522
Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A
19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 99257252 A 19990910
IPC: * G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/005;
G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061053 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169243 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061054 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169244 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061055 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169245 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3061056 B2 20000710
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99169248 A 19990616
IPC: * H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;
H04N-007/20
Language of Document: Japanese
Patent (No,Kind,Date): JP 3089599 B2 20000918
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257246 A 19990910
IPC: * G11B-007/24; G11B-007/004; G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3089600 B2 20000918
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A
19960123
Applc (No,Kind,Date): JP 99257249 A 19990910
IPC: * G11B-007/24; G11B-007/007; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3089601 B2 20000918
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99257250 A 19990910
IPC: * G11B-007/005; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3092620 B2 20000925
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169246 A 19990616
IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
Language of Document: Japanese

Patent (No,Kind,Date): JP 3092621 B2 20000925
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applic (No,Kind,Date): JP 99169247 A 19990616
IPC: * H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015
Language of Document: Japanese

Patent (No,Kind,Date): JP 3097914 B2 20001010
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99257251 A 19990910
IPC: * G11B-007/004; G11B-007/26; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3097916 B2 20001010
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99375208 A 19991228
IPC: * G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3097917 B2 20001010
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99375209 A 19991228
IPC: * G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3109552 B2 20001120
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): JP 9368545 A 19930326
IPC: * H04J-011/00; H04L-027/36; H04L-027/38; H04N-005/40; H04N-007/015; H04N-007/20; H04N-011/04
Language of Document: Japanese

Patent (No,Kind,Date): JP 3111776 B2 20001127
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 93261611 A 19930924
IPC: * H04J-011/00
Language of Document: Japanese

Patent (No,Kind,Date): JP 3112012 B2 20001127
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A

19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99289582 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Language of Document: Japanese

Patent (No,Kind,Date): JP 3112013 B2 20001127
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99289583 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Language of Document: Japanese

Patent (No,Kind,Date): JP 3112014 B2 20001127
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99289586 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015
Language of Document: Japanese

Patent (No,Kind,Date): JP 3114727 B2 20001204
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99289584 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Language of Document: Japanese

Patent (No,Kind,Date): JP 3114728 B2 20001204
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD
Author (Inventor): OOSHIMA MITSUAKI
Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317
Applc (No,Kind,Date): JP 99289585 A 19991012
IPC: * H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24
Language of Document: Japanese

Patent (No,Kind,Date): JP 3143454 B2 20010307
Priority (No,Kind,Date): JP 2000275439 A 20000911; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 2000275439 A 20000911
IPC: * G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3143455 B2 20010307
Priority (No,Kind,Date): JP 2000275440 A 20000911; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 2000275440 A 20000911
IPC: * G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3144422 B2 20010312
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373896 A 19991228
IPC: * G11B-020/10; G11B-007/0045; G11B-019/04
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3144423 B2 20010312
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373901 A 19991228

IPC: * G11B-020/10; G11B-007/0045
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3147120 B2 20010319
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): JP 99373898 A 19991228
IPC: * G11B-020/10; G11B-007/005
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3147121 B2 20010319
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): JP 99373900 A 19991228
IPC: * G11B-020/10; G11B-007/0045
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3154704 B2 20010409
Priority (No,Kind,Date): JP 200085407 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): JP 200085407 A 19930326
IPC: * H04J-011/00; H04L-027/02; H04N-005/38
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3154705 B2 20010409
Priority (No,Kind,Date): JP 200085408 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): JP 200085408 A 19930326
IPC: * H04J-011/00; H04L-027/02; H04N-005/38
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3154706 B2 20010409
Priority (No,Kind,Date): JP 200085409 A 20000324; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): JP 200085409 A 20000324
IPC: * H04J-011/00; H04L-027/02; H04N-005/38
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3154707 B2 20010409
Priority (No,Kind,Date): JP 200085410 A 20000324; JP 9267934 A 19920326; JP 92256070 A 19920925
Applic (No,Kind,Date): JP 200085410 A 20000324
IPC: * H04J-011/00; H04L-027/02; H04N-005/38
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3154708 B2 20010409
Priority (No,Kind,Date): JP 200095800 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applc (No,Kind,Date): JP 200095800 A 19930924
IPC: * H04J-011/00; H04L-027/34; H04N-007/00
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 3154709 B2 20010409
Priority (No,Kind,Date): JP 200095801 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): JP 200095801 A 19930924
IPC: * H04J-011/00; H04L-027/34; H04N-007/08
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese

Patent (No,Kind,Date): JP 3175740 B2 20010611
Priority (No,Kind,Date): JP 99373897 A 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373897 A 19961008
IPC: * G11B-020/10; G11B-007/005
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3209221 B2 20010917
Priority (No,Kind,Date): JP 99373899 A 19960810; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373899 A 19960810
IPC: * G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3209222 B2 20010917
Priority (No,Kind,Date): JP 99373902 A 19960810; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applc (No,Kind,Date): JP 99373902 A 19960810
IPC: * G11B-007/007; G06F-012/14; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3225035 B2 20011105
Priority (No,Kind,Date): JP 2000271624 A 19960515; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 2000271624 A 19960515
IPC: * G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3225036 B2 20011105
Priority (No,Kind,Date): JP 2000271625 A 20000907; JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): JP 2000271625 A 20000907
IPC: * G11B-007/007; G11B-007/004; G11B-020/10; G11B-020/12
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese

Patent (No,Kind,Date): JP 3231035 B2 20011119
Priority (No,Kind,Date): JP 2000383257 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applc (No,Kind,Date): JP 2000383257 A 20001218
IPC: * H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3231036 B2 20011119
Priority (No,Kind,Date): JP 2000383303 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383303 A 20001218
IPC: * H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3233625 B2 20011126
Priority (No,Kind,Date): JP 2000383210 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383210 A 20001218
IPC: * H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3233626 B2 20011126
Priority (No,Kind,Date): JP 2000383341 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510
Applic (No,Kind,Date): JP 2000383341 A 20001218
IPC: * H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08; H04N-007/081
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180486E000144
Language of Document: Japanese
Patent (No,Kind,Date): JP 3246731 B2 20020115
Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): JP 99257248 A 19990910
IPC: * G11B-007/085; G11B-007/004; G11B-007/007; G11B-007/24; G11B-019/04; G11B-020/10
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: Japanese
Patent (No,Kind,Date): JP 3248807 B2 20020121
Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
Applic (No,Kind,Date): JP 9479432 A 19940325
IPC: * H04J-011/00; H04N-007/015; H04N-007/20
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441
Language of Document: Japanese

KOREA, REPUBLIC (KR)
Patent (No,Kind,Date): KR 161051 B1 19990115
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): MITSUAKI OSHIMA (JP)
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227
Applic (No,Kind,Date): KR 946012 A 19940325

IPC: * H04N-007/12
Derwent WPI Acc No: * G 94-103292; G 94-311606; G 94-342258
Language of Document: Korean
Patent (No,Kind,Date): KR 195398 B1 19990615
RECORDING/REPRODUCING APPARATUS AND MEDIUM AND PRODUCTION METHOD
(English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OHSIMA MITSEUAKI (JP); KOMODA HIDEAKI (JP);
USIGOME HISASI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119
Applc (No,Kind,Date): KR 941111 A 19940121
IPC: * G11B-011/00
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: Korean
Patent (No,Kind,Date): KR 217013 B1 19991001
RECORDING AND REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITZAKI (JP); SHIMIZ RYOOSKI (JP); KOUDO
DOSHIKAZ (JP); YOSHIHURA SKASHA (JP); MASURA TAKUMI (JP); DANAKA
MICHIRO (JP); DAN SADOSHI (JP)
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119
Applc (No,Kind,Date): KR 941112 A 19940121
IPC: * G11B-011/00
Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451
Language of Document: Korean
Patent (No,Kind,Date): KR 237555 B1 20000201
RECORDING/REPRODUCING APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 93297504 A
19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP
94156089 A 19940707
Applc (No,Kind,Date): KR 9418308 A 19940727
IPC: * G11B-007/00
Derwent WPI Acc No: * C 94-236841; G 94-242360; G 95-116722; G
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451
Language of Document: Korean
Patent (No,Kind,Date): KR 9602468 B1 19960217
TRANSMITTER (English)
Patent Assignee: MATSUSITA ELECTRIC IND K K (JP)
Author (Inventor): OOSIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925
Applc (No,Kind,Date): KR 934766 A 19930326
IPC: * H04L-027/36
Derwent WPI Acc No: * G 93-305235; G 94-103292
JAPIO Reference No: * 180486E000144
Language of Document: Korean
Patent (No,Kind,Date): KR 9602703 B1 19960224
SIGNAL TRANSMISSION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND K K (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723
Applc (No,Kind,Date): KR 924913 A 19920326
IPC: * H04N-007/12
Derwent WPI Acc No: * G 92-325674
JAPIO Reference No: * 180152E000002
Language of Document: Korean

SINGAPORE (SG)
Patent (No,Kind,Date): SG 5400982 A1 19981221

RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; KOUDO TOSHIKAZU;
YOSHIURA TSUKASA; MATSUURA TAKUMI; TANAKA MITIRO; TAN SATOSHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): SG 9502048 A 19940119

IPC: * G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02
; G11B-023/00

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): SG 7100102 A1 20000321

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): SG 9800735 A 19940119

IPC: * G11B-019/02; G11B-007/007

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

Patent (No,Kind,Date): SG 7100103 A1 20000321

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME
(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI

Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP
93297504 A 19931102; JP 93314114 A 19931119

Applic (No,Kind,Date): SG 9800736 A 19940119

IPC: * G11B-019/02; G11B-007/007

Derwent WPI Acc No: * C 94-236841; G 93-313529; G 94-242360; G
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: English

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5473584 A 19951205

RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 281337 A 19940727; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
94104879 A 19940418; JP 94156089 A 19940707; US 184117 A2
19940121; US 9709 A2 19930127

Applic (No,Kind,Date): US 281337 A 19940727

National Class: * 369032000; 369047000; 369054000

IPC: * G11B-017/22

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
96-062972; G 98-181451; G 01-018026

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5526328 A 19960611

RECORDING AND REPRODUCING APPARATUS WITH VARYING AMOUNTS OF DATA IN
DIFFERENT TRACKS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);

TANAKA MICHIRO (JP); TAN SATOSHI (JP)
Priority (No,Kind,Date): US 184117 A 19940121; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; US
9709 A2 19930127
Applic (No,Kind,Date): US 184117 A 19940121
National Class: * 369013000; 369032000
IPC: * G11B-011/00
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G
01-018026
JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070
Language of Document: English
Patent (No,Kind,Date): US 5555275 A 19960910
MULTI-THRESHOLD AND HIERARCHICAL TELEVISION SIGNAL TRANSMISSION SYSTEM
(English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 417269 A 19950405; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317; US 857627 B1
19920325
Applic (No,Kind,Date): US 417269 A 19950405
National Class: * 375261000; 375298000; 375324000; 332103000;
329304000; 348724000; 348726000
IPC: * H04L-005/12; H04L-023/02; H04L-027/22; H04L-027/20
Derwent WPI Acc No: * G 92-325674; G 97-195354; G 00-108239; G
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G
00-184730; G 00-184731
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): US 5600672 A 19970204
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)
Priority (No,Kind,Date): US 240521 A 19940510; JP 9162798 A
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP
91182236 A 19910723; JP 9260739 A 19920317; JP 93132984 A
19930510; JP 93261612 A 19930924; JP 93349972 A 19931227; JP
9479668 A 19940324; US 857627 A2 19920325
Applic (No,Kind,Date): US 240521 A 19940510
National Class: * 375219000; 375270000; 375301000; 375321000
IPC: * H04L-005/16; H04B-001/38
Derwent WPI Acc No: * G 92-325674; G 94-103292; G 94-311606; G
94-342258; G 95-387959; G 97-195354; G 00-108239; G 00-118426; G
00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G
00-184731; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G
01-063439; G 01-063440; G 01-063441
JAPIO Reference No: * 180152E000002
Language of Document: English
Patent (No,Kind,Date): US 5682360 A 19971028
RECORDING AND REPRODUCING APPARATUS FOR USE WITH A RECORDING MEDIUM
HAVING AN OPTICAL RECORDING LAYER AND MAGNETIC RECORDING LAYER
(English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A
19920925
Applic (No,Kind,Date): US 9709 A 19930127
National Class: * 369013000; 360059000; 360114000
IPC: * G11B-011/00; G11B-005/127
Derwent WPI Acc No: * G 93-251292; G 93-313529

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5699331 A 19971216

APPARATUS OPERATING WITH RECORDING MEDIUM ACCORDING TO POSITIONAL INFORMATION OF A SECRET CODE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 534771 A 19950927; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
94104879 A 19940418; JP 94156089 A 19940707; US 281337 A3
19940727; US 184117 A2 19940121; US 9709 A2 19930127

Applic (No,Kind,Date): US 534771 A 19950927

Addnl Info: 5473584 Patented; 5526328 Patented

National Class: * 369032000; 369047000; 369054000

IPC: * G11B-017/22

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
96-062972; G 98-181451; G 01-018026

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5761301 A 19980602

MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,
REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL
DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A
19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): US 560015 A 19951117

National Class: * 380004000; 369272000; 235494000

IPC: * H04K-001/00

Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G
97-236119

Language of Document: English

Patent (No,Kind,Date): US 5802241 A 19980901

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 706376 A 19960830; JP 9267934 A
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP
93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A
19931227; US 217895 B1 19940325; US 126589 A2 19930927; US 37108
A2 19930325

Applic (No,Kind,Date): US 706376 A 19960830

National Class: * 386046000; 348723000

IPC: * H04N-005/91; H04N-005/38

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G
00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 5805551 A 19980908

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL
INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): US 845794 A 19970425; JP 94104879 A
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
9515318 A 19950201; JP 9516865 A 19950203; US 423668 A3
19950418; US 281337 A2 19940727

Applic (No,Kind,Date): US 845794 A 19970425
Addnl Info: 5473584 19951205 Patented
National Class: * 369059000; 369047000; 369048000; 369058000;
360048000
IPC: * G11B-007/00
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
96-268785; G 01-018026
Language of Document: English
Patent (No,Kind,Date): US 5807640 A 19980915
OPTICAL RECORDING MEDIUM, REPRODUCING SYSTEM, METHOD OF REPRODUCING
OPTICAL DISK, METHOD OF FABRICATING OPTICAL DISK ORIGINAL RECORD, AND
METHOD OF STOPPING ILLEGAL PROGRAM OPERATION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A
19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP
94299508 A 19941202; WO 94JP2304 W 19941228
Applic (No,Kind,Date): US 507495 A 19950828
National Class: * 428064100; 428064200; 428064400; 428913000;
369275100; 369284000
IPC: * B32B-003/00
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
01-018026
Language of Document: English
Patent (No,Kind,Date): US 5819000 A 19981006
MAGNETIC RECORDING AND PLAYBACK APPARATUS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A
19920925
Applic (No,Kind,Date): US 37108 A 19930325
National Class: * 386046000; 348723000
IPC: * H04N-005/91; H04N-005/38
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): US 5881038 A 19990309
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL
INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)
Priority (No,Kind,Date): US 423668 A 19950418; JP 94104879 A
19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP
9515318 A 19950201; JP 9516865 A 19950203; US 281337 A2
19940727
Applic (No,Kind,Date): US 423668 A 19950418
National Class: * 369059000; 369084000; 369058000; 369054000;
369047000
IPC: * G11B-007/00
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G
96-268785; G 01-018026
Language of Document: English
Patent (No,Kind,Date): US 5892879 A 19990406
COMMUNICATION SYSTEM FOR PLURAL DATA STREAMS (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 126589 A 19930927; JP 9267934 A
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP
93132984 A 19930510; US 37108 A2 19930325
Applic (No,Kind,Date): US 126589 A 19930927
National Class: * 386046000; 348726000
IPC: * H04N-005/91; H04N-005/38
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G

00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G
00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 5959948 A 19990928

RECORDING AND REPRODUCING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 970162 A 19971113; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
93349972 A 19931227; JP 94104879 A 19940418; JP 94156089 A
19940707; US 534771 A1 19950927; US 281337 A3 19940727; US 184117
A2 19940121; US 9709 A2 19930127

Applic (No,Kind,Date): US 970162 A 19971113

Addnl Info: 5699331 Patented; 5473584 Patented; 5526328 Patented

National Class: * 369032000; 369047000; 369054000

IPC: * G11B-017/22

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G
95-373939; G 96-062972; G 98-181451; G 01-018026

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 5999569 A 19991207

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 61979 A 19980417; JP 9267934 A
19920326; JP 92256070 A 19920925; US 37108 A3 19930325

Applic (No,Kind,Date): US 61979 A 19980417

Addnl Info: 5819000 Patented

National Class: * 375265000; 348608000; 348607000; 348726000

IPC: * H04L-027/28; H04L-005/12; H04L-023/02

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 6049651 A 20000411

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 64147 A 19980422; JP 9267934 A
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; US
126589 A3 19930927; US 37108 A1 19930325

Applic (No,Kind,Date): US 64147 A 19980422

Addnl Info: 5892879 Patented; 5819000 Patented

National Class: * 386046000; 386123000; 348726000

IPC: * H04N-005/91; H04N-007/015; H04N-005/38

Derwent WPI Acc No: * G 93-305235; G 94-103292; G 94-311606; G
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G
00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G
01-063439; G 01-063440; G 01-063441

JAPIO Reference No: * 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 6052465 A 20000418

OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applc (No,Kind,Date): US 649411 A 19960516
National Class: * 380004000
IPC: * H04L-009/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6081785 A 20000627
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008
Applc (No,Kind,Date): US 849468 A 19970609
National Class: * 705001000; 380201000; 369272000
IPC: * H04K-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6122373 A 20000919
OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 404506 A 19990923; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516
Applc (No,Kind,Date): US 404506 A 19990923
National Class: * 380004000
IPC: * H04L-009/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6125181 A 20000926
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 404639 A 19990923; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516
Applc (No,Kind,Date): US 404639 A 19990923
National Class: * 380002000
IPC: * H04K-001/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6128388 A 20001003
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 401114 A 19990922; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A3 19960516
Applc (No,Kind,Date): US 401114 A 19990922
National Class: * 380059000
IPC: * H04L-009/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English
Patent (No,Kind,Date): US 6141419 A 20001031
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 441338 A 19991116; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A1 19960516
Applc (No,Kind,Date): US 441338 A 19991116
National Class: * 380004000
IPC: * H04L-009/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6144742 A 20001107
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 401669 A 19990922; US 649411 A3
19960516
Applc (No,Kind,Date): US 401669 A 19990922
Addnl Info: 6052465 Patented
National Class: * 380004000
IPC: * H04L-009/00
Language of Document: English
Patent (No,Kind,Date): US 6160888 A 20001212
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 441337 A 19991116; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A1 19960516
Applc (No,Kind,Date): US 441337 A 19991116
National Class: * 380203000; 380201000; 713193000; 705051000;
705057000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 20010013023 AA 20010809
RECORDABLE OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)
Priority (No,Kind,Date): US 450438 A 19991130; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US
849468 A1 19970609
Applc (No,Kind,Date): US 450438 A 19991130
Addnl Info: 6081785 Patented
National Class: * 705057000; 369084000; 369272000
IPC: * G06F-017/60; G11B-007/26; G11B-007/28
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 20010021144 AA 20010913
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE
INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING
DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR
RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK
RECORDING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP);
TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP);
GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);
MURAKAMI MOTOYOSHI (JP)

Priority (No,Kind,Date): US 833995 A 20010412; JP 96339304 A
19961219; JP 979318 A 19970122; JP 97259110 A 19970924; US
308550 A3 19990520

Applc (No,Kind,Date): US 833995 A 20010412

Addnl Info: 6266299 Patented

National Class: * 369013000; 369059180

IPC: * G11B-011/00

Derwent WPI Acc No: * G 98-363034

Language of Document: English

Patent (No,Kind,Date): US 20010038578 AA 20011108
MEDIUM, APPARATUS, AND METHOD RELATED TO ENCRYPTION RESULTANT
INFORMATION (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 796534 A 20010302; JP 93205682 A
19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP
9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A
19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP
92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP
93297504 A 19931102; JP 93314114 A 19931119; US 305318 A3
19990505; US 970162 A3 19971113; US 534771 A1 19950927; US 281337
A3 19940727; US 184117 A2 19940121; US 9709 A2 19930127

Applc (No,Kind,Date): US 796534 A 20010302

Addnl Info: 6243330 Patented; 5959948 Patented; 5699331 Patented;
5473584 Patented; 5526328 Patented; 5682360 Patented

National Class: * 369013000; 369053210; 369047110; 369053290

IPC: * G11B-007/00

Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
96-062972; G 98-181451; G 01-018026

JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070

Language of Document: English

Patent (No,Kind,Date): US 20010055132 AA 20011227
OPTICAL DISK RECORDABLE USING BOTH A CIPHER KEY AND DISK IDENTIFICATION
INFORMATION FOR ENCRYPTION (English)

Patent Assignee: OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA
YOSHINARI (JP)

Priority (No,Kind,Date): US 450416 A 19991130; JP 95261247 A
19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US
849468 A1 19970609

Applc (No,Kind,Date): US 450416 A 19991130

Addnl Info: 6081785 Patented

National Class: * 359109000; 713189000

IPC: * G02F-001/00

Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6175629 BA 20010116
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)

Priority (No,Kind,Date): US 441357 A 19991116; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A1 19960516

Applc (No,Kind,Date): US 441357 A 19991116

National Class: * 380203000; 380201000; 713193000; 705051000;
705057000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6208736 BA 20010327
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 441021 A 19991116; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A1 19960516
Applc (No,Kind,Date): US 441021 A 19991116
National Class: * 380203000; 380201000; 713193000; 705051000;
705057000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6229896 BA 20010508
OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 440782 A 19991116; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A1 19960516
Applc (No,Kind,Date): US 440782 A 19991116
National Class: * 380203000; 380201000; 713193000; 705051000;
705057000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6243330 BA 20010605
RECORDING MEDIUM, APPARATUS, AND METHOD RELATED TO ENCRYPTION RESULTANT
INFORMATION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 305318 A 19990505; JP 9213809 A
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP
93205682 A 19930727; JP 9392219 A 19930325; JP 93107423 A
19930409; JP 93297504 A 19931102; JP 93314114 A 19931119; JP
94104879 A 19940418; JP 94156089 A 19940707; US 970162 A3
19971113; US 534771 A1 19950927; US 281337 A3 19940727; US 184117
A2 19940121; US 9709 A2 19930127
Applc (No,Kind,Date): US 305318 A 19990505
Addnl Info: 5959948 Patented; 5699331 Patented; 5473584 Patented;
5526328 Patented; 5682360 Patented
National Class: * 369032000; 369047100; 369053110
IPC: * G11B-017/22
Derwent WPI Acc No: * C 94-236841; G 93-251292; G 93-313529; G
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G
96-062972; G 98-181451; G 01-018026
JAPIO Reference No: * 180014P000119; 180121P000165; 180264P000063;
180522P000136; 180618P000070
Language of Document: English
Patent (No,Kind,Date): US 6256357 BA 20010703
COMMUNICATION SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): OSHIMA MITSUAKI (JP)
Priority (No,Kind,Date): US 379746 A 19990824; JP 9267934 A
19920326; JP 92256070 A 19920925; US 61979 A3 19980417; US 37108

A3 19930325
Applic (No,Kind,Date): US 379746 A 19990824
Addnl Info: 5999569 Patented; 5819000 Patented
National Class: * 375261000; 375280000; 375298000; 375308000;
375324000; 375332000; 348433000; 348555000; 348726000; 329304000;
332103000
IPC: * H04N-005/46
Derwent WPI Acc No: * G 93-305235; G 94-103292; G 00-580985; G
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G
00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G
01-063441
JAPIO Reference No: * 180486E000144
Language of Document: English
Patent (No,Kind,Date): US 6266299 BA 20010724
MAGNETO-OPTICAL DISK HAVING WRITE-ONCE IDENTIFICATION MARKS AND METHOD
FOR RECORDING THEREOF (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP);
TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP);
GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);
MURAKAMI MOTOYOSHI (JP)
Priority (No,Kind,Date): JP 96339304 A 19961219; JP 979318 A
19970122; JP 97259110 A 19970924; WO 97JP4664 W 19971217
Applic (No,Kind,Date): US 308550 A 19990520
National Class: * 369013000
IPC: * G11B-011/00
Derwent WPI Acc No: * G 98-363034
Language of Document: English
Patent (No,Kind,Date): US 6278671 BA 20010821
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF
MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 679580 A 20001004; JP 95261247 A
19951009; JP 968910 A 19960123; US 441281 A1 19991116; US 649411
A1 19960516
Applic (No,Kind,Date): US 679580 A 20001004
Addnl Info: 6052465 20000418 Patented
National Class: * 369047190; 369047210; 369053410; 369059230;
369275300
IPC: * G11B-007/007
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6285762 BA 20010904
OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK
REPRODUCTION APPARATUS, MARKING FORMING APPARATUS, METHOD OF FORMING
A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN
OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 401935 A 19990923; JP 95261247 A
19951009; JP 968910 A 19960123; US 649411 A3 19960516
Applic (No,Kind,Date): US 401935 A 19990923
Addnl Info: 6052465 Patented
National Class: * 380203000; 380201000; 713193000; 705051000;
705057000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6285763 BA 20010904
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF

MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 441281 A 19991116; JP 95261247 A 19951009; JP 968910 A 19960123; US 649411 A1 19960516
Applic (No,Kind,Date): US 441281 A 19991116
National Class: * 380203000; 380201000; 705051000; 705057000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6285764 BA 20010904
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 679233 A 20001004; JP 95261247 A 19951009; JP 968910 A 19960123; US 441281 A1 19991116; US 649411 A1 19960516
Applic (No,Kind,Date): US 679233 A 20001004
Addnl Info: 6052465 20000418 Patented
National Class: * 380203000; 380201000; 713193000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6298138 BA 20011002
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)
Priority (No,Kind,Date): US 679505 A 20001004; JP 95261247 A 19951009; JP 968910 A 19960123; US 441281 A1 19991116; US 649411 A1 19960516
Applic (No,Kind,Date): US 679505 A 20001004
Addnl Info: 6052465 Patented
National Class: * 380203000; 380201000; 713193000
IPC: * H04N-007/167
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6301569 BA 20011009
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIRO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): US 450437 A 19991130; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US 849468 A1 19970609
Applic (No,Kind,Date): US 450437 A 19991130
National Class: * 705057000; 369047000; 369084000; 369272000
IPC: * G11B-007/00
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
Language of Document: English
Patent (No,Kind,Date): US 6343282 BA 20020129
OPTICAL DISK READING DEVICE USING BOTH A DECIPHER KEY AND DISK IDENTIFICATION INFORMATION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): US 450413 A 19991130; JP 95261247 A

19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US
 849468 A1 19970609
 Applic (No,Kind,Date): US 450413 A 19991130
 Addnl Info: 6081785 Patented
 National Class: * 705057000
 IPC: * G06F-017/60
 Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):				
US 95507495	A	19950828	US REFW	CORRESPONDS TO PCT (ENTSPRICH PCT ANMELDUNG)
			APPLICATION	
		WO 9518443	P	
US 97849468	A	19970609	US REFW	CORRESPONDS TO PCT (ENTSPRICH PCT ANMELDUNG)
			APPLICATION	
		WO 9714144	P	
US 5473584	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
US 5473584	P	19920228	US AA	PRIORITY (PATENT)
		JP 9242558	A	19920228
US 5473584	P	19920309	US AA	PRIORITY (PATENT)
		JP 9250328	A	19920309
US 5473584	P	19920326	US AA	PRIORITY (PATENT)
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US 5473584	P	19920430	US AA	PRIORITY (PATENT)
		JP 92111176	A	19920430
US 5473584	P	19920722	US AA	PRIORITY (PATENT)
		JP 92194450	A	19920722
US 5473584	P	19920925	US AA	PRIORITY (PATENT)
		JP 92280874	A	19920925
US 5473584	P	19930121	US AA	PRIORITY (PATENT)
		JP 938596	A	19930121
US 5473584	P	19930127	US AA	PRIORITY
		US 9709	A2	19930127
US 5473584	P	19930325	US AA	PRIORITY (PATENT)
		JP 9392219	A	19930325
US 5473584	P	19930409	US AA	PRIORITY (PATENT)
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US 5473584	P	19930727	US AA	PRIORITY (PATENT)
		JP 93205682	A	19930727
US 5473584	P	19931102	US AA	PRIORITY (PATENT)
		JP 93297504	A	19931102
US 5473584	P	19931119	US AA	PRIORITY (PATENT)
		JP 93314114	A	19931119
US 5473584	P	19940121	US AA	PRIORITY
		US 184117	A2	19940121
US 5473584	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5473584	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5473584	P	19940727	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 281337	A	19940727
US 5473584	P	19941207	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
		MATSUSHITA ELECTRIC IDNUSTRICAL CO., LTD.		
		1006, OAZA KADOMA KADOMA-SHI, OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19940906		
US 5473584	P	19951205	US A	PATENT
US 5526328	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
US 5526328	P	19920228	US AA	PRIORITY (PATENT)
		JP 9242558	A	19920228
US 5526328	P	19920309	US AA	PRIORITY (PATENT)
		JP 9250328	A	19920309
US 5526328	P	19920326	US AA	PRIORITY (PATENT)
		JP 9268031	A	19920326

US 5526328	P	19920430	US AA	PRIORITY	(PATENT)
		JP 92111176	A	19920430	
US 5526328	P	19920722	US AA	PRIORITY	(PATENT)
		JP 92194450	A	19920722	
US 5526328	P	19920925	US AA	PRIORITY	(PATENT)
		JP 92280874	A	19920925	
US 5526328	P	19930121	US AA	PRIORITY	(PATENT)
		JP 938596	A	19930121	
US 5526328	P	19930127	US AA	PRIORITY	
		US 9709	A2	19930127	
US 5526328	P	19930325	US AA	PRIORITY	(PATENT)
		JP 9392219	A	19930325	
US 5526328	P	19930409	US AA	PRIORITY	(PATENT)
		JP 93107423	A	19930409	
US 5526328	P	19930727	US AA	PRIORITY	(PATENT)
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US 5526328	P	19931102	US AA	PRIORITY	(PATENT)
		JP 93297504	A	19931102	
US 5526328	P	19931119	US AA	PRIORITY	(PATENT)
		JP 93314114	A	19931119	
US 5526328	P	19940121	US AE	APPLICATION DATA	(PATENT)
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		US 184117	A	19940121	
US 5526328	P	19940822	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST	
		MITSUSHITA ELECTRIC INDUSTRIAL CO., LTD.			
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;			
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE			
		: 19940317; KOUDO, TOSHIKAZU : 19940317;			
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;			
US 5526328	P	19950516	US AS28	CORRECTED ASSIGNMENT	
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.			
		KADOMA-SHI 1006, OAZA KADOMA OSAKA, JAP ;			
		OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE			
		: 19940317; KOUDO, TOSHIKAZU : 19940317;			
		YOSHIURA, TSUKASA : 19940317; MAT : 19940317;			
US 5526328	P	19960611	US A	PATENT	
US 5555275	P	19910327	US AA	PRIORITY (PATENT)	
		JP 9162798	A	19910327	
US 5555275	P	19910425	US AA	PRIORITY (PATENT)	
		JP 9195813	A	19910425	
US 5555275	P	19910529	US AA	PRIORITY (PATENT)	
		JP 91155650	A	19910529	
US 5555275	P	19910723	US AA	PRIORITY (PATENT)	
		JP 91182236	A	19910723	
US 5555275	P	19920317	US AA	PRIORITY (PATENT)	
		JP 9260739	A	19920317	
US 5555275	P	19920325	US AA	PRIORITY	
		US 857627	B1	19920325	
US 5555275	P	19950405	US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))			
		US 417269	A	19950405	
US 5555275	P	19960910	US A	PATENT	
US 5600672	P	19910327	US AA	PRIORITY (PATENT)	
		JP 9162798	A	19910327	
US 5600672	P	19910425	US AA	PRIORITY (PATENT)	
		JP 9195813	A	19910425	
US 5600672	P	19910529	US AA	PRIORITY (PATENT)	
		JP 91155650	A	19910529	
US 5600672	P	19910723	US AA	PRIORITY (PATENT)	
		JP 91182236	A	19910723	
US 5600672	P	19920317	US AA	PRIORITY (PATENT)	
		JP 9260739	A	19920317	
US 5600672	P	19920325	US AA	PRIORITY	
		US 857627	A2	19920325	
US 5600672	P	19930510	US AA	PRIORITY (PATENT)	
		JP 93132984	A	19930510	
US 5600672	P	19930924	US AA	PRIORITY (PATENT)	

US 5600672	P	JP 93261612 A	19930924
		JP 19931227 US AA	PRIORITY (PATENT)
		JP 93349972 A	19931227
US 5600672	P	JP 19940324 US AA	PRIORITY (PATENT)
		JP 9479668 A	19940324
US 5600672	P	JP 19940510 US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))	
		US 240521 A	19940510
US 5600672	P	JP 19961010 US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST	
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	
		1006, KADOMA OSAKA, JAPAN 571 ; OSHIMA,	
		MITSUAKI : 19960910; SAKASHITA, SEIJI :	
		19960910	
US 5600672	P	JP 19970204 US A	PATENT
US 5600672	P	JP 19990420 US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)	
		19990204	
US 5600672	P	JP 20001114 US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)	
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US 5600672	P	JP 20001128 US RF	REISSUE APPLICATION FILED
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		20001012	
US 5600672	P	JP 20001226 US RF	REISSUE APPLICATION FILED (
		(REISSUE APPL. FILED)	
		20001005	
US 5600672	P	JP 20010102 US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)	
		20001012	
US 5600672	P	JP 20010130 US RF	REISSUE APPLICATION FILED
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US 5600672	P	JP 20010213 US RF	REISSUE APPLICATION FILED
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US 5600672	P	JP 20010313 US RF	REISSUE APPLICATION FILED
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US 5600672	P	JP 20010403 US RF	REISSUE APPLICATION FILED
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US 5600672	P	JP 20010501 US RF	REISSUE APPLICATION FILED
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		20000929	
US 5600672	P	JP 20010522 US RF	REISSUE APPLICATION FILED
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		20001005	
US 5600672	P	JP 20010605 US RF	REISSUE APPLICATION FILED
		(REISSUE APPL. FILED)	
		20001005	
US 5682360	P	JP 19920129 US AA	PRIORITY (PATENT)
		JP 9213809 A	19920129
US 5682360	P	JP 19920228 US AA	PRIORITY (PATENT)
		JP 9242558 A	19920228
US 5682360	P	JP 19920309 US AA	PRIORITY (PATENT)
		JP 9250328 A	19920309
US 5682360	P	JP 19920326 US AA	PRIORITY (PATENT)
		JP 9268031 A	19920326
US 5682360	P	JP 19920430 US AA	PRIORITY (PATENT)
		JP 92111176 A	19920430
US 5682360	P	JP 19920722 US AA	PRIORITY (PATENT)
		JP 92194450 A	19920722
US 5682360	P	JP 19920925 US AA	PRIORITY (PATENT)
		JP 92280874 A	19920925
US 5682360	P	JP 19930127 US AE	APPLICATION DATA (PATENT) (
		APPL. DATA (PATENT))	
		US 9709 A	19930127

US 5682360 P 19930302 US AS02 ASSIGNMENT OF ASSIGNOR'S
 INTEREST
 MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;
 OSHIMA, MITSUAKI : 19930122

US 5682360 P 19971028 US A PATENT
 US 5699331 P 19920129 US AA PRIORITY (PATENT)
 JP 9213809 A 19920129
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 JP 938596 A 19930121
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 US 5699331 P 19930325 US AA PRIORITY (PATENT)
 JP 9392219 A 19930325
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 JP 93107423 A 19930409
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 JP 93297504 A 19931102
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 JP 93314114 A 19931119
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 JP 94104879 A 19940418
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 JP 94156089 A 19940707
 US 5699331 P 19940727 US AA PRIORITY
 US 281337 A3 19940727
 US 5699331 P 19950927 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 534771 A 19950927
 US 5699331 P 19971216 US A PATENT
 US 5761301 P 19941117 US AA PRIORITY (PATENT)
 JP 94283415 A 19941117
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 US 5761301 P 19951009 US AA PRIORITY (PATENT)
 JP 95261247 A 19951009
 US 5761301 P 19951117 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 560015 A 19951117
 US 5761301 P 19960410 US AS02 ASSIGNMENT OF ASSIGNOR'S
 INTEREST
 MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006,
 OAZA KADOMA, KADOMA-SHI OSAKA, JAP ; OSHIMA,
 MITSUAKI : 19960220; GOTOH, YOSHIHO :
 19960220

US 5761301 P 19980602 US A PATENT
 US 5761301 P 20000801 US RF REISSUE APPLICATION FILED
 (REISSUE APPL. FILED)
 20000602

US 5802241 P 19920326 US AA PRIORITY (PATENT)
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			JP 9366461 A	PRIORITY (PATENT)
US 5802241	P	19930325	US AA	PRIORITY
			US 37108 A2	19930325
US 5802241	P	19930510	US AA	PRIORITY (PATENT)
			JP 93132984 A	19930510
US 5802241	P	19930924	US AA	PRIORITY (PATENT)
			JP 93261612 A	19930924
US 5802241	P	19930927	US AA	PRIORITY
			US 126589 A2	19930927
US 5802241	P	19931227	US AA	PRIORITY (PATENT)
			JP 93349972 A	19931227
US 5802241	P	19940325	US AA	PRIORITY
			US 217895 B1	19940325
US 5802241	P	19960830	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 706376 A	19960830
US 5802241	P	19980901	US A	PATENT
US 5802241	P	20001226	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	
			20001030	
US 5802241	P	20010102	US RF	REISSUE APPLICATION FILED
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			20001030	
US 5805551	P	19940418	US AA	PRIORITY (PATENT)
			JP 94104879 A	19940418
US 5805551	P	19940727	US AA	PRIORITY
			US 281337 A2	19940727
US 5805551	P	19941117	US AA	PRIORITY (PATENT)
			JP 94283415 A	19941117
US 5805551	P	19941228	US AA	PRIORITY (PATENT)
			JP 94327963 A	19941228
US 5805551	P	19950201	US AA	PRIORITY (PATENT)
			JP 9515318 A	19950201
US 5805551	P	19950203	US AA	PRIORITY (PATENT)
			JP 9516865 A	19950203
US 5805551	P	19950418	US AA	PRIORITY
			US 423668 A3	19950418
US 5805551	P	19970425	US AE	APPLICATION DATA (PATENT) (
			APPL. DATA (PATENT))	
			US 845794 A	19970425
US 5805551	P	19980908	US A	PATENT
US 5807640	P	19931228	US AA	PRIORITY (PATENT)
			JP 93335165 A	19931228
US 5807640	P	19940120	US AA	PRIORITY (PATENT)
			JP 9422191 A	19940120
US 5807640	P	19940418	US AA	PRIORITY (PATENT)
			JP 94104879 A	19940418
US 5807640	P	19940707	US AA	PRIORITY (PATENT)
			JP 94156089 A	19940707
US 5807640	P	19941202	US AA	PRIORITY (PATENT)
			JP 94299508 A	19941202
US 5807640	P	19941228	US AA	PCT-APPLICATION (PCT-APPL.)
			WO 94JP2304 W	19941228
US 5807640	P	19950828	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 507495 A	19950828
US 5807640	P	19950828	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	1006
			OAZA KADOMA, KADOMA-SHI OSAKA 571, ; UENO,	
			FUMIAKI : 19950801; OSHIMA, MITSUAKI :	
			19950801	

US 5807640	P	19980915	US A	PATENT
US 5807640	P	20010731	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
		20000915		
US 5819000	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 5819000	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5819000	P	19930325	US AE	APPLICATION DATA (PATENT)
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		US 37108	A	19930325
US 5819000	P	19930608	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19930413		
US 5819000	P	19981006	US A	PATENT
US 5819000	P	19990914	US CC	CERTIFICATE OF CORRECTION
US 5881038	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5881038	P	19940727	US AA	PRIORITY
		US 281337	A2	19940727
US 5881038	P	19941117	US AA	PRIORITY (PATENT)
		JP 94283415	A	19941117
US 5881038	P	19941228	US AA	PRIORITY (PATENT)
		JP 94327963	A	19941228
US 5881038	P	19950201	US AA	PRIORITY (PATENT)
		JP 9515318	A	19950201
US 5881038	P	19950203	US AA	PRIORITY (PATENT)
		JP 9516865	A	19950203
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US 5881038	P	19951004	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, OAZA KADOMA KADOMA-SHI, OSAKA 571, ; OSHIMA,		
		MITSUAKI : 19950412; GOTOH, YOSHIHO :		
		19950412		
US 5881038	P	19990309	US A	PATENT
US 5881038	P	20000125	US CC	CERTIFICATE OF CORRECTION
US 5892879	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 5892879	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5892879	P	19930325	US AA	PRIORITY (PATENT)
		JP 9366461	A	19930325
US 5892879	P	19930325	US AA	PRIORITY
		US 37108	A2	19930325
US 5892879	P	19930510	US AA	PRIORITY (PATENT)
		JP 93132984	A	19930510
US 5892879	P	19930927	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 126589	A	19930927
US 5892879	P	19940106	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;		
		OSHIMA, MITSUAKI : 19931013		
US 5892879	P	19990406	US A	PATENT
US 5959948	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
US 5959948	P	19920228	US AA	PRIORITY (PATENT)
		JP 9242558	A	19920228
US 5959948	P	19920309	US AA	PRIORITY (PATENT)
		JP 9250328	A	19920309
US 5959948	P	19920326	US AA	PRIORITY (PATENT)
		JP 9268031	A	19920326

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		JP 92111176	A	19920430
US 5959948	P	19920722	US AA	PRIORITY (PATENT)
		JP 92194450	A	19920722
US 5959948	P	19920925	US AA	PRIORITY (PATENT)
		JP 92280874	A	19920925
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		JP 938596	A	19930121
US 5959948	P	19930127	US AA	PRIORITY
		US 9709	A2	19930127
US 5959948	P	19930325	US AA	PRIORITY (PATENT)
		JP 9392219	A	19930325
US 5959948	P	19930409	US AA	PRIORITY (PATENT)
		JP 93107423	A	19930409
US 5959948	P	19930727	US AA	PRIORITY (PATENT)
		JP 93205682	A	19930727
US 5959948	P	19931102	US AA	PRIORITY (PATENT)
		JP 93297504	A	19931102
US 5959948	P	19931119	US AA	PRIORITY (PATENT)
		JP 93314114	A	19931119
US 5959948	P	19931227	US AA	PRIORITY (PATENT)
		JP 93349972	A	19931227
US 5959948	P	19940121	US AA	PRIORITY
		US 184117	A2	19940121
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		JP 94104879	A	19940418
US 5959948	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5959948	P	19940727	US AA	PRIORITY
		US 281337	A3	19940727
US 5959948	P	19950927	US AA	PRIORITY
		US 534771	A1	19950927
US 5959948	P	19971113	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 970162	A	19971113
US 5959948	P	19990928	US A	PATENT
US 5959948	P	20001114	US CC	CERTIFICATE OF CORRECTION
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		JP 9267934	A	19920326
US 5999569	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5999569	P	19930325	US AA	PRIORITY
		US 37108	A3	19930325
US 5999569	P	19980417	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 61979	A	19980417
US 5999569	P	19991207	US A	PATENT
US 6049651	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 6049651	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 6049651	P	19930325	US AA	PRIORITY (PATENT)
		JP 9366461	A	19930325
US 6049651	P	19930325	US AA	PRIORITY
		US 37108	A1	19930325
US 6049651	P	19930927	US AA	PRIORITY
		US 126589	A3	19930927
US 6049651	P	19980422	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 64147	A	19980422
US 6049651	P	20000411	US A	PATENT
US 6049651	P	20010403	US CC	CERTIFICATE OF CORRECTION
US 6052465	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6052465	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6052465	P	19960516	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		

		US	649411	A	19960516	
US 6052465	P	20000418	US A		PATENT	
US 6081785	P	19951009	US AA		PRIORITY (PATENT)	
		JP	95261247	A	19951009	
US 6081785	P	19960123	US AA		PRIORITY (PATENT)	
		JP	968910	A	19960123	
US 6081785	P	19960809	US AA		PRIORITY (PATENT)	
		JP	96211304	A	19960809	
US 6081785	P	19961008	US AA		PCT-APPLICATION (PCT-APPL.)	
		WO	96JP2924	W	19961008	
US 6081785	P	19970609	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US	849468	A	19970609	
US 6081785	P	20000627	US A		PATENT	
US 6122373	P	19951009	US AA		PRIORITY (PATENT)	
		JP	95261247	A	19951009	
US 6122373	P	19960123	US AA		PRIORITY (PATENT)	
		JP	968910	A	19960123	
US 6122373	P	19960516	US AA		PRIORITY	
		US	649411	A3	19960516	
US 6122373	P	19990923	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US	404506	A	19990923	
US 6122373	P	20000919	US A		PATENT	
US 6125181	P	19951009	US AA		PRIORITY (PATENT)	
		JP	95261247	A	19951009	
US 6125181	P	19960123	US AA		PRIORITY (PATENT)	
		JP	968910	A	19960123	
US 6125181	P	19960516	US AA		PRIORITY	
		US	649411	A3	19960516	
US 6125181	P	19990923	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US	404639	A	19990923	
US 6125181	P	20000926	US A		PATENT	
US 6128388	P	19951009	US AA		PRIORITY (PATENT)	
		JP	95261247	A	19951009	
US 6128388	P	19960123	US AA		PRIORITY (PATENT)	
		JP	968910	A	19960123	
US 6128388	P	19960516	US AA		PRIORITY	
		US	649411	A3	19960516	
US 6128388	P	19990922	US AE		APPLICATION DATA (PATENT) (
		(APPL. DATA (PATENT))				
		US	401114	A	19990922	
US 6128388	P	20001003	US A		PATENT	
US 6128388	P	20010821	US CC		CERTIFICATE OF CORRECTION	
US 6141419	P	19951009	US AA		PRIORITY (PATENT)	
		JP	95261247	A	19951009	
US 6141419	P	19960123	US AA		PRIORITY (PATENT)	
		JP	968910	A	19960123	
US 6141419	P	19960516	US AA		PRIORITY	
		US	649411	A1	19960516	
US 6141419	P	19991116	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US	441338	A	19991116	
US 6141419	P	20001031	US A		PATENT	
US 6144742	P	19960516	US AA		PRIORITY	
		US	649411	A3	19960516	
US 6144742	P	19990922	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US	401669	A	19990922	
US 6144742	P	20001107	US A		PATENT	
US 6160888	P	19951009	US AA		PRIORITY (PATENT)	
		JP	95261247	A	19951009	
US 6160888	P	19960123	US AA		PRIORITY (PATENT)	
		JP	968910	A	19960123	
US 6160888	P	19960516	US AA		PRIORITY	
		US	649411	A1	19960516	

US 6160888	P	19991116	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
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US 6160888	P	20001212	US A	PATENT
US 6175629	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6175629	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6175629	P	19960516	US AA	PRIORITY
		US 649411	A1	19960516
US 6175629	P	19991116	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 441357	A	19991116
US 6175629	P	20010116	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6208736	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6208736	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6208736	P	19960516	US AA	PRIORITY (CONTINUATION)
		US 649411	A1	19960516
US 6208736	P	19991116	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 441021	A	19991116
US 6208736	P	20010327	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6229896	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6229896	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6229896	P	19960516	US AA	PRIORITY (CONTINUATION)
		US 649411	A1	19960516
US 6229896	P	19991116	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 440782	A	19991116
US 6229896	P	20010508	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6243330	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
US 6243330	P	19920228	US AA	PRIORITY (PATENT)
		JP 9242558	A	19920228
US 6243330	P	19920309	US AA	PRIORITY (PATENT)
		JP 9250328	A	19920309
US 6243330	P	19920326	US AA	PRIORITY (PATENT)
		JP 9268031	A	19920326
US 6243330	P	19920430	US AA	PRIORITY (PATENT)
		JP 92111176	A	19920430
US 6243330	P	19920722	US AA	PRIORITY (PATENT)
		JP 92194450	A	19920722
US 6243330	P	19920925	US AA	PRIORITY (PATENT)
		JP 92280874	A	19920925
US 6243330	P	19930121	US AA	PRIORITY (PATENT)
		JP 938596	A	19930121
US 6243330	P	19930127	US AA	PRIORITY (CONTINUATION IN
		PART)		
		US 9709	A2	19930127
US 6243330	P	19930325	US AA	PRIORITY (PATENT)
		JP 9392219	A	19930325
US 6243330	P	19930409	US AA	PRIORITY (PATENT)
		JP 93107423	A	19930409
US 6243330	P	19930727	US AA	PRIORITY (PATENT)
		JP 93205682	A	19930727
US 6243330	P	19931102	US AA	PRIORITY (PATENT)
		JP 93297504	A	19931102
US 6243330	P	19931119	US AA	PRIORITY (PATENT)
		JP 93314114	A	19931119
US 6243330	P	19940121	US AA	PRIORITY (CONTINUATION IN
		PART)		

US 6243330	P	19940418	US AA	A2	19940121	PRIORITY (PATENT)
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US 6243330	P	19940707	US AA		PRIORITY (PATENT)	
		JP 94156089	A		19940707	
US 6243330	P	19940727	US AA		PRIORITY (DIVISION)	
		US 281337	A3	19940727		
US 6243330	P	19950927	US AA		PRIORITY (CONTINUATION)	
		US 534771	A1	19950927		
US 6243330	P	19971113	US AA		PRIORITY (DIVISION)	
		US 970162	A3	19971113		
US 6243330	P	19990505	US AE		APPLICATION DATA (PATENT)	
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		US 305318	A	19990505		
US 6243330	P	20010605	US BA		PATENT (NO PREVIOUS	
		PRE-GRANT PUBLICATION)				
US 6243330	P	20020212	US CC		CERTIFICATE OF CORRECTION	
US 6256357	P	19920326	US AA		PRIORITY (PATENT)	
		JP 9267934	A	19920326		
US 6256357	P	19920925	US AA		PRIORITY (PATENT)	
		JP 92256070	A	19920925		
US 6256357	P	19930325	US AA		PRIORITY (DIVISION)	
		US 37108	A3	19930325		
US 6256357	P	19980417	US AA		PRIORITY (DIVISION)	
		US 61979	A3	19980417		
US 6256357	P	19990824	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US 379746	A	19990824		
US 6256357	P	20010703	US BA		PATENT (NO PREVIOUS	
		PRE-GRANT PUBLICATION)				
US 6266299	P	19961219	US AA		PRIORITY (PATENT)	
		JP 96339304	A	19961219		
US 6266299	P	19970122	US AA		PRIORITY (PATENT)	
		JP 979318	A	19970122		
US 6266299	P	19970924	US AA		PRIORITY (PATENT)	
		JP 97259110	A	19970924		
US 6266299	P	19971217	US AA		PCT-APPLICATION	
		WO 97JP4664	W	19971217		
US 6266299	P	19990520	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US 308550	A	19990520		
US 6266299	P	20010724	US BA		PATENT (NO PREVIOUS	
		PRE-GRANT PUBLICATION)				
US 6278671	P	19951009	US AA		PRIORITY (PATENT)	
		JP 95261247	A	19951009		
US 6278671	P	19960123	US AA		PRIORITY (PATENT)	
		JP 968910	A	19960123		
US 6278671	P	19960516	US AA		PRIORITY (CONTINUATION)	
		US 649411	A1	19960516		
US 6278671	P	19991116	US AA		PRIORITY (CONTINUATION)	
		US 441281	A1	19991116		
US 6278671	P	20001004	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US 679580	A	20001004		
US 6278671	P	20010821	US BA		PATENT (NO PREVIOUS	
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US 6285762	P	19951009	US AA		PRIORITY (PATENT)	
		JP 95261247	A	19951009		
US 6285762	P	19960123	US AA		PRIORITY (PATENT)	
		JP 968910	A	19960123		
US 6285762	P	19960516	US AA		PRIORITY (DIVISION)	
		US 649411	A3	19960516		
US 6285762	P	19990923	US AE		APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))				
		US 401935	A	19990923		
US 6285762	P	20010904	US BA		PATENT (NO PREVIOUS	
		PRE-GRANT PUBLICATION)				
US 6285763	P	19951009	US AA		PRIORITY (PATENT)	

US 6285763	P	JP 95261247 A 19951009 JP 95261247 A 19951009 JP 968910 A 19960123 JP 968910 A 19960123 US 649411 A1 19960516 US 649411 A1 19960516	PRIORITY (PATENT) PRIORITY (CONTINUATION)
US 6285763	P	19991116 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 441281 A 19991116	
US 6285763	P	20010904 US BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)	
US 6285764	P	19951009 US AA PRIORITY (PATENT) JP 95261247 A 19951009	
US 6285764	P	19960123 US AA PRIORITY (PATENT) JP 968910 A 19960123	
US 6285764	P	19960516 US AA PRIORITY (CONTINUATION) US 649411 A1 19960516	
US 6285764	P	19991116 US AA PRIORITY (CONTINUATION) US 441281 A1 19991116	
US 6285764	P	20001004 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 679233 A 20001004	
US 6285764	P	20010904 US BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)	
US 6298138	P	19951009 US AA PRIORITY (PATENT) JP 95261247 A 19951009	
US 6298138	P	19960123 US AA PRIORITY (PATENT) JP 968910 A 19960123	
US 6298138	P	19960516 US AA PRIORITY (CONTINUATION) US 649411 A1 19960516	
US 6298138	P	19991116 US AA PRIORITY (CONTINUATION) US 441281 A1 19991116	
US 6298138	P	20001004 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 679505 A 20001004	
US 6298138	P	20011002 US BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)	
US 6301569	P	19951009 US AA PRIORITY (PATENT) JP 95261247 A 19951009	
US 6301569	P	19960123 US AA PRIORITY (PATENT) JP 968910 A 19960123	
US 6301569	P	19960809 US AA PRIORITY (PATENT) JP 96211304 A 19960809	
US 6301569	P	19970609 US AA PRIORITY (CONTINUATION) US 849468 A1 19970609	
US 6301569	P	19991130 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 450437 A 19991130	
US 6301569	P	20011009 US BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)	
US 6343282	P	19951009 US AA PRIORITY (PATENT) JP 95261247 A 19951009	
US 6343282	P	19960123 US AA PRIORITY (PATENT) JP 968910 A 19960123	
US 6343282	P	19960809 US AA PRIORITY (PATENT) JP 96211304 A 19960809	
US 6343282	P	19970609 US AA PRIORITY (CONTINUATION) US 849468 A1 19970609	
US 6343282	P	19991130 US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 450413 A 19991130	
US 6343282	P	20020129 US BA PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)	
US 20010013023	P	19951009 US AA PRIORITY (PATENT) JP 95261247 A 19951009	
US 20010013023	P	19960123 US AA PRIORITY (PATENT) JP 968910 A 19960123	
US 20010013023	P	19960809 US AA PRIORITY (PATENT) JP 96211304 A 19960809	

US 20010013023 P 19970609 US AA PRIORITY (CONTINUATION)
 US 849468 A1 19970609
 US 20010013023 P 19991130 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 450438 A 19991130
 US 20010013023 P 20010809 US A1A1 PATENT APPLICATION
 PUBLICATION (PRE-GRANT)
 US 20010021144 P 19961219 US AA PRIORITY (PATENT)
 JP 96339304 A 19961219
 US 20010021144 P 19970122 US AA PRIORITY (PATENT)
 JP 979318 A 19970122
 US 20010021144 P 19970924 US AA PRIORITY (PATENT)
 JP 97259110 A 19970924
 US 20010021144 P 19990520 US AA PRIORITY (DIVISION)
 US 308550 A3 19990520
 US 20010021144 P 20010412 US AE APPLICATION DATA (PATENT)
 (APPL. DATA (PATENT))
 US 833995 A 20010412
 US 20010021144 P 20010913 US A1A1 PATENT APPLICATION
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WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9518443 A1 19950706

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,
 REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL
 DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD
 (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applic (No,Kind,Date): WO 94JP2304 A 19941228

Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE;
 DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 100000 With international search report

IPC: * G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00;
 G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 01-018026; G 95-246541
Language of Document: Japanese
Patent (No,Kind,Date): WO 9528704 A1 19951026
METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO
Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203
Applic (No,Kind,Date): WO 95JP760 A 19950418
Designated States: (National) CN; KR (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 120000 With international search report; With amended claims and statement
IPC: * G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06 ; G11B-007/09
Derwent WPI Acc No: * G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 01-018026; G 95-373939
Language of Document: Japanese
Patent (No,Kind,Date): WO 9616401 A1 19960530
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): OSHIMA MITSUAKI; GOTOH YOSHIHO
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009
Applic (No,Kind,Date): WO 95JP2339 A 19951116
Designated States: (National) CN; JP; KR; MX (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 100000 With international search report
IPC: * G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12
Derwent WPI Acc No: * G 95-373939; G 96-268785; G 97-236117; G 97-236119; G 96-268785
Language of Document: Japanese
Patent (No,Kind,Date): WO 9714144 A1 19970417
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809
Applic (No,Kind,Date): WO 96JP2924 A 19961008
Designated States: (National) CN; JP; KR; US (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 100000 With international search report
IPC: * G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119; G 97-236117
Language of Document: Japanese
Patent (No,Kind,Date): WO 9714146 A1 19970417
OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English)
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)
Author (Inventor): GOTOH YOSHIHO; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSUROU
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123
Applic (No,Kind,Date): WO 96JP1303 A 19960515
Designated States: (National) CN; JP; KR; MX; SG; VN (Regional) AT;

BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE
Filing Details: WO 100000 With international search report
IPC: * G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38
Derwent WPI Acc No: * G 96-268785; G 97-236117; G 97-236119; G
97-236119

Language of Document: Japanese
Patent (No,Kind,Date): WO 9827553 A1 19980625

OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)

Priority (No,Kind,Date): JP 96339304 A 19961219; JP 979318 A 19970122; JP 97259110 A 19970924

Applic (No,Kind,Date): WO 97JP4664 A 19971217

Designated States: (National) CN; KR; US (Regional) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 120000 With international search report; With amended claims and statement

IPC: * G11B-011/10; G11B-007/00; G06F-012/14

Derwent WPI Acc No: * G 98-363034; G 98-363034

Language of Document: Japanese